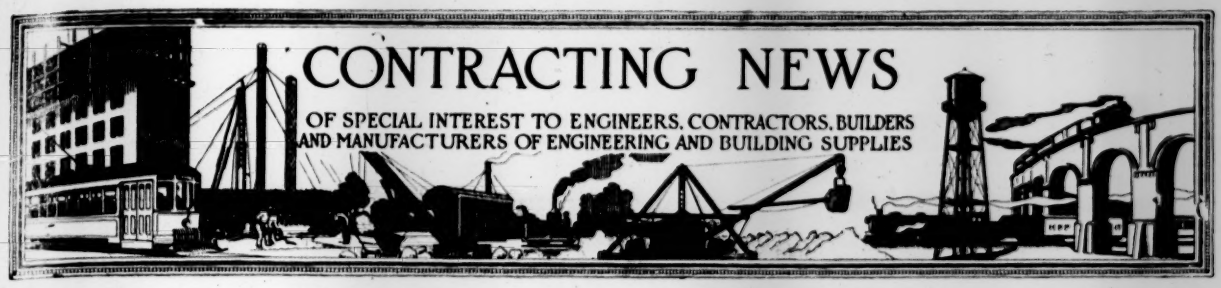
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 62 to 65 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Oct. 22.	Salem, N. J. Adv. Oct. 11.	Oct. 11
Oct. 29.	Portland, Ore.	Oct. 11
Nov. 7.	Tonawanda, N. Y.	Oct. 18

SEWERS

Oct. 22.	St. Paul, Minn.	Oct. 18
Oct. 22.	Scranton, Pa.	Oct. 18
Oct. 23.	St. Cloud, Minn.	Oct. 18
Oct. 25.	St. Joseph, Mich. Adv. Oct. 4.	Oct. 4
Oct. 26.	Lorain, O.	Oct. 18
Oct. 29.	Glendale, Ariz.	Oct. 18

BRIDGES

Nov. 2.	Richmond, Va. Adv. Oct. 18.	Oct. 18
Nov. 6.	Oswego, Kan. Adv. Oct. 18.	Oct. 18
Nov. 6.	Dallas, Tex. Adv. Oct. 11 and 18.	Oct. 11
Nov. 6.	Little Falls, Minn.	Oct. 18

STREETS AND ROADS

Oct. 22.	St. Paul, Minn.	Oct. 18
Oct. 22.	Dallas, Tex.	Oct. 18
Oct. 22.	West New York, N. J.	Oct. 18
Oct. 23.	Connecticut Adv. Oct. 18.	Oct. 18
Oct. 23.	Ohio	Oct. 18
Oct. 23.	Santa Cruz, Cal.	Oct. 18
Oct. 23.	Jersey City, N. J.	Oct. 11
Oct. 24.	Paterson, N. J.	Sept. 27
Oct. 24.	Michigan	Oct. 18
Oct. 24.	Santa Barbara, Cal.	Oct. 4
Oct. 24.	Cleveland, O.	Oct. 18
Oct. 25.	Newark, N. J.	Oct. 18
Oct. 26.	Indiana	Oct. 11
Oct. 26.	Rhode Island Adv. Oct. 18.	Oct. 18
Oct. 27.	Indiana	Oct. 11
Oct. 29.	Indiana	Oct. 11
Oct. 29.	Highland Park, N. J. (New Brunswick P. O.)	Oct. 18
Nov. 5.	Pikeville, Ky.	Sept. 27
Nov. 5.	Kansas City, Kan.	Oct. 18
Nov. 5.	Coffeeville, Miss. Adv. Oct. 18.	Oct. 18
Nov. 5.	Fayetteville, W. Va.	Oct. 18
Nov. 6.	West Orange, N. J.	Oct. 18
Nov. 6.	Indiana	Oct. 11
Nov. 6.	Morgantown, W. Va. Adv. Oct. 11.	Oct. 11
Nov. 8.	Pennsylvania Adv. Oct. 18.	Oct. 18

EXCAVATION AND DREDGING

Oct. 22.	Crete, Ill.	Oct. 18
Oct. 23.	Athens, Ga.	Oct. 11
Oct. 23.	Mankato, Minn.	Oct. 18
Oct. 24.	Lesueur Center, Minn.	Oct. 4
Oct. 29.	Duluth, Minn.	Oct. 18
Nov. 1.	Papillion, Neb.	Oct. 16
Nov. 2.	Albany, N. Y. Adv. Oct. 11 and 18.	Oct. 11
Nov. 2.	Sibley, Ia.	Oct. 11
Nov. 9.	St. Cloud, Minn.	Sept. 27

BUILDINGS

Oct. 23.	Ft. Wayne, Ind.	Oct. 4
Oct. 23.	Smith Center, Kan.	Oct. 4
Oct. 23.	New York, N. Y. Adv. Oct. 11 and 18.	Oct. 11
Oct. 23.	Jersey City, N. J.	Oct. 18
Oct. 24.	Abilene, Kan.	Oct. 4
Oct. 24.	Brooklyn, N. Y.	Oct. 18
Oct. 25.	Sapulpa, Okla.	Oct. 18
Oct. 28.	Healdsburg, Cal.	Oct. 11
Oct. 28.	Denver, Colo.	Oct. 11
Oct. 29.	Trenton, N. J.	Oct. 18
Oct. 30.	Columbia, S. C.	Oct. 18
Oct. 31.	Davenport, Ia.	Oct. 18
Nov. 1.	Lawrence, Kan.	Oct. 18
Nov. 2.	Lakefield, Minn.	Oct. 18
Nov. 25.	Middletown, Mass.	Oct. 4
Dec. 1.	Norfolk, Va.	Sept. 13

FEDERAL GOVERNMENT WORK

Oct. 20.	Experimental Sheet Rolling Mill — Washington, D. C.	Oct. 11
Oct. 20.	Tank and Towers — Key West, Fla.	Oct. 11
Oct. 22.	Power House and Machine Shop — New London, Conn.	Oct. 11
Oct. 22.	Heating System—Philadelphia, Pa.	Oct. 11
Oct. 22.	Emergency Hospital — Gulfport, Miss.	Oct. 18
Oct. 22.	Bridge — Farmington, N. M.	Oct. 18
Oct. 23.	Post Office — Andalusia, Ala.	Sept. 20
Oct. 24.	Post Office — Bakersfield, Cal. Adv. Sept. 20 and 27.	Sept. 20
Oct. 26.	Post Office — Mt. Carmel, Ill.	Sept. 20
Oct. 28.	Post Office — Waterloo, N. Y.	Sept. 20
Oct. 29.	Buildings—El Cayey, P. R.	Oct. 11
Oct. 29.	Buildings—Grand Isle, La. Adv. Oct. 11.	Oct. 11
Oct. 30.	Metal Work, etc. — Key West, Fla. Adv. Sept. 6 and 13.	Sept. 6
Oct. 30.	Post Office—Farmville, Va.	Sept. 27
Oct. 31.	Power House — Brooklyn, N. Y.	Oct. 4
Oct. 31.	Post Office—Hollidaysburg, Pa. Adv. Oct. 4.	Oct. 4
Oct. 31.	Levee Work — St. Louis, Mo.	Oct. 18
Nov. 1.	Lookout—Omaha, Neb. Adv. Oct. 11.	Oct. 11
Nov. 1.	Post Office—Kenton, O.	Sept. 27
Nov. 1.	Construction Materials — Detroit, Mich. Adv. Oct. 4.	Oct. 4
Nov. 2.	Maneuver Boats — Cincinnati, O. Adv. Oct. 4 to 18.	Oct. 4
Nov. 2.	Post Office — Valparaiso, Ind.	Oct. 4
Nov. 5.	Post Office — Burlington, N. C.	Oct. 4
Nov. 6.	Bridge—Towaoc, Colo.	Oct. 18
Nov. 7.	Buildings — Elbowoods, N. D.	Oct. 18
Nov. 8.	Levee Work — Vicksburg, Miss. Adv. Oct. 18.	Oct. 18
Nov. 8.	Piers, etc.—Detroit, Mich. Adv. Oct. 11.	Oct. 11
Nov. 9.	Post Office—Forsyth, Ga.	Oct. 11
Nov. 13.	Post Office—Harrisonville, Mo.	Oct. 11
Nov. 14.	Post Office—Austin, Tex.	Oct. 11
Nov. 15.	Canals—El Paso, Tex. Adv. Oct. 18.	Oct. 18
Nov. 16.	Maneuver Boats — Wheeling, W. Va. Adv. Oct. 18.	Oct. 18
Nov. 19.	Fitting out Cranes—Washington, D. C.	Oct. 18
Nov. 20.	Post Office—Caribou, Me.	Oct. 18
Nov. 28.	Post Office — Bellefourche, S. D.	Oct. 11

MISCELLANEOUS

Oct. 23.	Pier—New York, N. Y.	Sept. 27
	Adv. Sept. 27 to Oct. 18.	
Oct. 30.	Elevated Railway—Philadelphia, Pa. Adv. Oct. 18.	Oct. 18
Oct. 30.	Fire Escapes — Dover, N. J. Adv. Oct. 18.	Oct. 18
Nov. 15.	Flood Control—Dayton, O. Adv. Sept. 13 to Oct. 18.	Sept. 13

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. Y., Herkimer—City plans to build 30,000,000-gal. reservoir as part of new water-works system. L. Wood, city engr.

N. Y., Mt. Kisco—Village sold $13,500 bonds for water-works system. G. E. Janum, supt.

N. Y., Olean—City lets contract about Oct. 20, building filtration plant, including 1-story brick pumping station, 2,500,000-gal. capacity per day. About $75,000. E. H. Atwood, c/o Vacuum Oil Co., engr. Noted July 5.

N. Y., Rochester — City plans $75,000 bond issue to improve water-works system. F. T. Elwood, city engr. Noted Sept. 27.

N. Y., Westfield—Boro. lets contract about Oct. 21 rebuilding water-works system, including small concrete dam, 1 mi. concrete tunneling, wood stave pipe and c.-i. pipe. About $80,000. C. C. Hill, boro. engr., Gannet, Seelye & Fleming, 204 Locust St., Harrisburg, cons. engrs. Noted July 5.

Pa., Halifax—Boro. passed ordinance authorizing $16,000 bond issue to build water-works plant.

Ga., Atlanta—City plans election to vote on $250,000 bond issue to purchase and install new pumps at water-works. R. M. Clayton, city engr.

Water-Works (Continued)

Ga., Chamblee—City having plans prepared by J. B. McCrary & Co., engrs., 3rd Natl. Bank Bldg., Atlanta, for water-works and sewerage systems. J. W. Walker, mayor.

Ga., Dublin—City plans to issue $60,000 bonds to improve water-works system. M. J. Guyton, supt.

Ga., Savannah—(Official)—City defeated election for $500,000 bonds to rehabilitate water-works system. Noted Sept. 20.

Tenn., Lebanon — (Official) — City soon lets contract improvements to water-works system, including concrete stack, 5½ x 150-ft., air compressors, water pumps, shaker grates, etc. About $10,000. D. R. Moore, city engr.

O., Springfield—City Comn. passed ordinance appropriating $11,600 to repair Todd pump at water-works pumping station. M. J. Bahin, city engr.

Ind., South Bend—Council passed ordinance to issue $40,000 bonds to build water-works system. F. J. Anderson, city engr.

Mich., Holly—Village voted $20,000 bonds for water-works system. W. M. Smith, village pres. Noted Sept. 13.

Ill., Antioch—City lets contract about Oct. 21, for purification plant. H. L. Emerson, 133 West Washington St., Chicago, engr.

Ia., Riverside—City plans to build water-works system. About $40,000. J. M. Lewis, supt. parks and pub. property.

Minn., Brainerd—City having plans prepared by L. P. Wolff, engr., 1000 Germania Life Bldg., St. Paul, water-works improvements, including drilling new wells and about 8 mi. 4- and 6-in. c.-i. pipe.

Kan., Eureka—City receiving bids about Nov. 1 for water-works improvements. Cost $30,000. Black & Veatch, 507 Inter-State Bldg., Kansas City, Mo., engrs. Noted Aug. 16.

Kan., Galena — City having plans prepared by Burns & McDonnell, engr., 402 Inter-State Bldg., Kansas City, Mo., for filtration plant; $100,000 bond issue recently voted for work. Noted Sept. 27.

Tex., Quanah—City plans to build water-works system, including pumping plant. About $150,000.

Okla., Bristow—City having plans prepared by Benham Eng. Co., engrs., Colcord Bldg., Oklahoma, for extensions to water-works and sewerage systems; $20,000 bonds voted for work. Noted Aug. 2.

Okla., Indianapolis—City voted $15,000 bonds to build water-works system.

Okla., Tulsa—City lets contract about Nov. 1 to extend water-works system, including 40,000 tons 6-in. to 24-in. pipe, 1 12,000-gal. and 1 8000-gal. pump and 4,000,000-gal. filtration plant. About $675,000. C. M. Stevens, 708 Ridge Arcade, Kansas City, Mo., engr. Noted June 21.

Okla., Wapanucke—(Official)—City lets contract about Nov. 1 for water-works system. Cost, $14,000. W. J. Terry, chn. bd. city comrs. Noted Oct. 11.

Okla., Waurika—City having plans prepared by McIntosh-Walton Co., engrs., 1023 State Natl. Bank Bldg., Oklahoma, for water-works system; $20,000 bond issue voted for work. Noted Sept. 13.

Idaho, Du Bois—City having plans prepared by Cotton & Wilson, engrs., for installing water-works system. About $25,000.

Cal., San Fernando—City election soon to vote on $130,000 bond issue for water-works system, including 2,000,000-gal. reservoir, new distributing system, 8 12-in. riveted steel pipe, 6-in. c.-i. pipe, and 16-in. rein.-con. pipe. A. L. Sondregger, Central Bldg., Los Angeles, engr.

BIDS DESIRED

N. Y., Tonawanda—(Official)—Until Nov. 7, by U. W. Suison, city clk., for laying intake pipe in Niagara River. About $111,000. B. Hinkey, city engr. Noted Oct. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Johnstown**—(Official)—City let contract storage reservoir, earthern dam, spillway and appurtenances on Center Creek, to Hydraulic Constr. Co., Flower Bldg., Annex, Watertown, $99,482. Noted Sept. 13.

Pa., Polk—(Official)—Bd. Trustees of State Institution for Feebleminded of Western Pennsylvania, received low bid rapid sand filter plant and motor driven centrifugal pumps in connection with water supply, from Pittsburgh Filter Mfg. Co., Farmer's Bank Bldg., Pittsburgh. Noted Sept. 20.

★**O., Dayton**—(Official)—City let contract rein.-con. reservoir in southeastern part of city to Davies-Hunt, 1st and Webb Sts., $133,842. Noted Sept. 27.

★**Wis., Oshkosh**—Diamond Match Co. let contract for pumping station at plant to W. Oeflein, 86 Michigan St., Milwaukee, $250,000.

Minn., St. Cloud—City received low bids for 271 tons 8- 12-in. pipe for water-works system from Amer. Cast Iron Pipe Co., 385 Dearborn St., Chicago, $54.95 per ton; lead to be used in laying pipe from U. S. Cast Iron Pipe and Fdry. Co., 122 South Michigan Ave., Chicago; hydrants from Fairbanks Co.

★**N. D., Minot**—City let contract building water mains on several streets to G. W. Krinfer, Minot, $10,000.

★**Tex., El Paso**—City let contract furnishing, erecting and connecting complete triplex or centrifugal pump driven by fuel oil or electric motor, to furnish 600-gal. water per minute, to R. E. Huthsteiner, 923 Mills St., $14,087. Noted Oct. 4.

★**Okla., Red Rock**—(Official)—Bd. Trustees let contract water-works system to N. S. Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma, $22,000. Noted Aug. 2.

★**Okla., Shamrock** — City let contract water-works system to N. S. Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma, $37,800. Noted Sept. 13.

★**Okla., Wilburton** — City let contract water-works system to McEachin Bros., McAlester. $24,000. Noted Aug. 16.

★**Cal., Santa Barbara**—City let contract building Mission Ridge Reservoir to A. L. Pendola, 1332 Garden St., $51,112. Noted Oct. 11.

SEWERS

Proposed Work

Me., Portland—City plans sewers in Forest Ave. and East Deering St. About $440,000. E. M. Hunt, city engr.

Conn., Greenwich—(Official)—Boro. rescinded election to vote on $350,000 bond issue for sewerage system and sewage disposal plant in Sound Beach Sect. Work has been postponed indefinitely. Noted Sept. 13.

Conn., Stratford—City rejected bids for 11 mi. 8- to 30-in. pipe sewers, sewage disposal plant, etc. Noted Sept. 20.

N. Y., Olean—City having plans prepared for sewer in Higgins Ave., including 500 ft. 8- 10-in. pipe. About $14,000. E. E. Allen, city engr.

N. J., Edgewater—Boro. to sell $270,000 bonds Oct. 23 to build sewers. P. F. O'Brien, clk.

Pa., Johnstown—City election Nov. 6th to vote on $500,000 bond issue to build sanitary sewers. J. R. Crissey, city engr.

Pa., Milton—Boro. had plans prepared by A. Potter, engr., 50 Church St., New York City, for sewage disposal plant.

Pa., South Bethlehem—Boro. election soon to vote on $55,000 bond issue to build sewers and improve streets. M. Brady, boro. engr.

Md., Annapolis — Anne Arundel Co. Comrs. soon lets contract sewerage system in Linthicum Heights and Glen Burnie. A. Hayman, co. engr.

Ga., Chamblee—See "Water-works."

O., Dayton—City plans to build sanitary sewers in Districts. Nos. 8 and 10; also sidewalks on portions Valley St. F. O. Eichelberger, city engr.

O., Lebanon—City rejected bids for auxiliary sanitary sewerage system. Election Nov. 6 to vote on bonds for sewage disposal plant. R. E. Klein, Callahan Blk., Dayton, engr. Noted Aug. 23.

O., Massilon—City plans sewers in portions Walnut, Kent, and Green Sts. H. McYost, city engr.

O., Toledo—Comrs. Lucas Co. plan to build sanitary sewers Nos. 45, 47 and 1330, in Ohio main sewer districts Nos. 4 and 6. G. Cooper, aud.

O., Uhrichsville—Uhrichsville and Dennison Villages had plans prepared for sewage disposal plant and sanitary sewerage system. G. Arnold, 114 South Bway., New Philadelphia, engr. About $50,000.

Ind., La Fayette—City having plans prepared for storm sewers. About $250,000. H. B. Overesch, city engr.

Ill., Bradley—Village to issue $2[illegible] bonds to build sewerage system.

Ill., Moline—City had plans prepared 6-ft. storm drain system on 1st St. to be in conjunction with Rock Island system. About $25,000. L. Payton, city engr.

Ill., Quincy—City having plans prepared for sewerage system, about 4 mi. long. E. R. Chatten, city engr.

Ia., Riverside—City plans sewerage system; main sewer to be 2 mi. long. About $15,000.

Minn., Waseca—City having plans prepared by L. P. Wolff, engr., Germania Life Bldg., St. Paul, sewage treatment plant, including 7000 ft. 15-in. pipe. About $25,000. Noted July 12.

Kan., Hutchison—City soon lets contract sewerage system. About $70,000. E. Metz, city clk. Noted July 12.

Tex., Austin—City defeated $225,000 bond issue to install Imhoff tank-trickling filter plant and $50,000 for storm sewers and paving. Noted Sept. 27.

Okla., Hobart—(Official)—City has retained Benham Eng. Co., engrs., Colcord Bldg., Oklahoma, to prepare plans for water-works system. About $100,000.

Okla., Sand Springs—(Official)—City had plans prepared by Benham Eng. Co., Colcord Bldg., Oklahoma, for extending sanitary and storm sewerage systems. Election soon to vote on $40,000 bond issue for project.

Okla., Wynnewood—(Official)—City having plans prepared by McIntosh-Walton Co., engrs., 1023 State Natl. Bank Bldg., Oklahoma, for sanitary sewerage system. About $16,000. Noted Oct. 4.

Ariz., Flagstaff—City received no bids for building sewerage system. New bids in spring. Noted May 3.

Wash., Seattle—Streets and Sewers Com. having plans prepared by A. H. Dimock, city engr., improving 22nd Ave. et al with sewers. About $56,933.

Cal., Los Angeles—Council passed ordinances to build sanitary sewers in portions 63rd and 65th Sts. and Bonsello Ave. A. C. Hansen, city engr.

Ont., Colchester South—Council passed bylaw to build storm drains. About $10,000. J. H. Madill, city clk.

Ont., London—Bd. Control plans to authorize the appropriation of $100,000 for storm sewerage system extensions during 1918. H. A. Brazier, city engr.

BIDS DESIRED

Pa., Scranton—(Official)—Until Oct. 22, by W. G. Robertson, dir. dept. pub. wks., for storm sewers on West Market, Winona, and Leggett Sts.; also grading portions Wheeler Ave. W. Shunk, city engr.

O., Lorain—(Official)—Until Oct. 26, by Dir. Pub. Serv., for sewers in portions Allison and Park Aves., Lake View Blvd., including 4335 ft. 6- 15-in. pipe, 22 manholes, etc. C. M. Osborn, city engr. Noted Sept. 13.

Minn., St. Cloud—(Official)—Until Oct. 23, by City for 4200 lin.ft. 72-in. segment block and 4000 lin.ft. 36-in. segment block or vitr. pipe sewer. About $85,000. R. E. Borrowman, city engr. Noted Sept. 27.

Minn., St. Paul—(Official)—Until Oct. 22, by H. W. Austin, purch. agt., storm-water sewer in portions Fairview Ave. and Lawrence St. O. Claussen, city engr. Noted Oct. 11.

Ariz., Glendale—Until Oct. 29, by H. G. White, town clk., for sewerage system. F. N. Holmquist, Phoenix, engr. Noted Oct. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—L. H. Pounds, boro. pres., let contract sewage pumping station, superstructures for sewers, and appurtenances to Frymer & Hanna Co., 25 West 45th St., New York City, $45,837. Noted Sept. 27.

★**S. C., Columbia**—City let contract 23,000 ft. vitr. pipe sewer to Chattanooga Sewer Pipe Wks., foot of Gillespie St., $10,637. Noted Oct. 4.

★**O., Cleveland**—City let contract installing sewer in Scarsdale Ave., to W. P. Gibbons Constr. Co., 340 Leader-News Bldg., $13,393; in East 171st St., to Gould & Maybach, 823 East 150th St., $7698. Noted Sept. 20.

Sewe. (Continued)

O., Cuyahoga Falls — (Official) — Village received low bids for Gotel Ave. lateral sewerage system, including 7500 cu.yd. earth excav., 300 cu.yd. rock trench excav., 22 manholes and 2 mi. 6- 12-in. sewer pipe, from C. L. Wright, Mt. Vernon, $16,846; Gessner Co., Toledo, $17,063; F. R. George Co., Pittsburgh, Pa., $18,441. Noted Sept. 27.

Mich., Detroit—City received low bid for Linwood Ave. sewer in Lawton, Longfellow and Linwood Aves., about 15,617 ft. long, from Jeynes & Affeld, 1208 Ford Bldg., $644,687.

Mich., Grand Rapids—City received bids constructing southwest sewerage system as follows: Sects. Nos. 1 and 4, Vander Weele Bros., No. 2, McDermott & Cooper; No. 3, Ver Hey & Kloet; for entire system, A. H. Prange, Grand Rapids, and Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. These 2 contractors offered proposition to build sewer for cost plus percentage basis. Estimated cost, $180,546. Noted Oct. 4.

★**Ill., Antioch**—City let contract for sewage disposal plants and sewers to C. M. Porter & Co., 111 West Washington St., Chicago, $19,229.

Wash., Spokane—City received low bid building 4th Ward trunk sewer in Dist. No. 5, from Heikia, Miller & Paulson, Spokane, $11,400. Noted Sept. 20.

Cal., San Diego—City received low bids rein.-con. double compartment storm drain, 16th and Logan Sts., from Holland Constr. Co., 712 Granger Bldg., $22,888, and T. C. Birkenstein, Pasadena, $23,921.

★**Cal., San Francisco**—City let contract for Lake St. outlet sewer to H. Lotzin, $22,500.

Cal., Upland—City received low bids for interior sewerage system, including 32,800 ft. 8- 10-in. vitr. sewer pipe, from E. L. Fleming & Sons, Pomona, $26,675, outfall sewer including 21,280 ft. 12- 14-in. vitr. pipe, from J. Chutuck, 532 South Matthews St., Los Angeles, $24,118. Noted May 10.

BRIDGES

Proposed Work

Ia., Algona—(Official)—Kossuth Co. rejected bids building bridge over Des Moines River. Noted Sept. 27.

Mo., Independence — (Official) — Kansas City Southern Ry. soon lets contract for rein.-con. viaduct over North River Blvd. J. M. Weir, Kansas City, Mo., ch. engr. Waddell & Son, 934 Wyandotte St., Kansas City, Mo., engrs., prepared plans.

Tex., Ft. Worth—City Comn. plans to build rein.-con. viaduct over railroad yards, Jennings Ave. F. J. Von Zuben, city engr.

Okla., Holdenville—Hughes Co. sold $25,000 bonds for bridge improvements in Newburg Twp. A. J. Johnson, co. clk. Noted Sept. 27.

Okla., Waurika — See "Streets and Roads."

BIDS DESIRED

Conn., Hartford — See "Streets and Roads."

Va., Richmond—(Official)—Until Nov. 2, by City, building rein.-con. viaduct over Bacon Quarter Branch and Seaboard Air Line Co.'s property. C. E. Bolling, city engr.; advertised in this issue.

Minn., Little Falls—Until Nov. 6, by Morrison Co., building Royal Mississippi River Bridge, 2 130-ft. and 1 140-ft. truss spans. B. Y. McNairy, co. aud.

Kan., Oswego—(Official)—Until Nov. 6, by Labette Co. Comrs., building 7 rein.-con. bridges. W. J. King, co. engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Albany**—(Official)—W. W. Wotherspoon, supt. pub. wks., Capitol, let contract building bascule bridge below Lock No. 1, Culvert St., Phoenix, Oswego Canal, Sect. 1, Barge Canal Contract No. 167, to W. S. Rae, Oliver Bldg., Pittsburgh, $29,689. Noted Sept. 6.

★**Pa., Pottstown**—(Official) — Montgomery Co., Norristown, and Chester Co., West Chester, let contract repairing Hanover St. bridge over Schuylkill River, to Pittsburgh Constr. Co., Diamond Bank Bldg., Pittsburgh, $32,000. Noted Oct. 11.

★**Ark., Texarkana**—(Official)—Bd. Comrs. Red River Bridge Dist. let contract building bridge over Red River, near Index, to Midland Bridge Co., Kansas City, Mo. About $275,000.

★**Cal., Los Angeles** — See "Streets and Roads."

STRUCTURAL STEEL WORK

Bids Desired

Conn., Hartford—See "Bridges."

REINFORCED CONCRETE

Proposed Work

N. J., Newark—See "Industrial Works."

O., Cleveland—See "Miscellaneous."

Tex., Ft. Worth—See "Bridges."

BIDS DESIRED

Conn., Hartford—See "Bridges."

Va., Richmond—See "Bridges."

Kan., Oswego—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—See "Industrial Works."

★**N. Y., Hudson**—See "Miscellaneous."

★**O., Dayton**—See "Water-Works."

Cal., San Diego—See "Sewers."

STREETS AND ROADS

Proposed Work

Me., Alfred—York Co. plans building bituminous macadam road from here to Old Orchard.

N. Y., Buffalo—Bd. Pub. Wks. plans to pave portion Main St., asphalt. G. H. Norton, city engr.

New Jersey—State Highway Comn., Trenton, plans to improve road leading to Camp Merritt, Tenafly, 2½ mi. R. A. Meeker, state highway engr.

N. J., Cape May—Cape May Co. to sell $22,000 bonds Nov. 8 to improve roads. F. W. Fowkes, Sea Isle City, clk.

N. J., Freehold — Monmouth Co. plans hard surfacing 13 mi. road from here to Keyport; also improving Norwood Ave., Long Branch. G. D. Cooper, Red Bank, co. engr.

N. J., Jersey City—City plans improving portion Gates Ave., from Old Bergen Rd. to New Jersey Central R.R. bridge. C. A. Van Kuren, city engr.

N. J., North Bergen—(Weehawken P. O.) Town plans to pave Traphagen St. About $10,000. F. J. Harmon, engr.

N. J., Paterson—Passaic Co. plans to improve Main St. About $200,000. G. Ferguson, co. engr.

N. J., Trenton—City and Pennsylvania R.R. plans to extend Passaic St., over Delaware and Raritan Canal. About $40,000. A. Swan, city engr. A. C. Shand, Broad St. Sta., Phila., ch. engr. ry.

Pa., Bellevue—City plans paving, grading and curbing portions Florence and South Jackson Aves.

Pa., Pittsburgh — City plans widening and extending portion Howard, Alger and Eshelman Sts. R. Swan, city engr.

Del., Milford—City Council plans resurfacing 2½ mi. streets, tarvia. G. M. Townsend, clk.

Md., Baltimore—City plans to pave 25 to 30 mi.; sheet asphalt, including 85 streets and 30 alleys. About $1,000,000. C. Rowland, chn. paving comn.

N. C., Kinston—Lenoir Co. Comrs. plan 2-mi. concrete pavement on Central Highway from Lenoir to Caswell Training School. About $30,000. Natl. Highway Comn. to appropriate $10,000 toward cost.

S. C., Charleston—Charleston Co. voted $275,000 bonds to improve roads. Noted Sept. 13.

Ga., Darien—McIntosh Co. Comrs. plan to issue $55,000 bonds; part of proceeds will be used for road work.

Fla., Lake City—Columbia Co. voted $500,000 bonds to hardsurface roads. Noted Sept. 20.

Fla., Perry—City voted $90,000 bond issue to pave streets.

Fla., Quincy—(Official)—City voted $18,000 bonds to pave streets. Noted Oct. 4.

Fla., Zolfo—City plans laying 1 mi. brick pavement, 34 ft. wide. R. C. Peterson, clk.

Ala., Gadsden—City plans to pave portions 6th and 12th Sts., asphaltic concrete. About $30,000 and $11,000, respectively. R. M. Wilbanks, clk.

Ala., Geneva—Geneva Co. election soon to vote on $100,000 bond issue to improve, repair and extend 100 mi. roads.

O., Bowling Green — (Official) — J. E. Shatzel, secy. bd. trustees, Bowling Green State Normal College, rejected bids for 3500 sq.yd. paving and 10,000 sq.yd. concrete walks and grading. New bids in spring. Noted Sept. 13.

O., Cincinnati—City Council rejected bids to resurface and widen Freeman and Seegar Aves. New bids. F. Krug, city engr. Noted Sept. 20.

O., Dayton—See "Sewers."

O., Lima—City plans to pave portion Atlantic Ave. C. Bryson, city engr.

O., Van Wert — Van Wert Co. having plans prepared by T. K. Priddy, engr., 89.8 mi. macadam roads. About $102,900. W. Klein, aud.

O., Youngstown—City plans paving portions Worthington and Thurman Sts. F. M. Lillie, city engr.

Indiana—State Highway Comn., Indianapolis, plans to build 5 main market highways through state making total of about 800 mi. The routes selected are as follows: Rd. No. 1, beginning at Illinois and Indiana state line, westerly through Dyer, Valparaiso, Laporte, South Bend, Goshen and Ft. Wayne via Lincoln Highway; No. 2, beginning at Illinois and Indiana State line, easterly through Terre Haute, Brazil, Putnamville, Plainfield, Indianapolis, Greenfield, Knightstown, Cambridge City and Richmond to Ohio and Indiana State line; No. 3, beginning at Indiana and Michigan State line, southerly through South Bend, Plymouth, Rochester, Peru, Kokomo, Westfield, Carmel, Indianapolis, Franklin, Columbus, Seymour, Scottsburg, Sellersburg, New Albany and Jeffersonville; No. 4 crossing southern part of state beginning at Evansville, easterly through Boonville, Huntington, Jasper, Dillsboro, Aurora and Lawrenceburg to Ohio and Indiana State line; No. 5, road connecting Vincennes and Mitchell, via Wheatland, Washington, Loogootee and Shoals. W. S. Moore, state highway engr.

Ind., Brazil—Comrs. Clay Co. plan to pave National Rd. from western limits of city to Vigo Co. line. Cost about $20,000 per mi. State Highway Comn. will appropriate $25,000 toward work.

Ind., Danville—Hendricks Co. sold $12,600 bonds to build highways.

Ind., Indianapolis—City plans to improve and pave portions Yandes, Capitol, Eastern Bway., McCarty, Noble, Pleasant and Julian Sts. B. T. Jeup, city engr.

Mich., Grand Rapids—City had plans prepared paving portions Butterworth St., asphaltic concrete. About $32,300. J. C. Shinkman, clk.

Mich., Marshall—Calhoun Co. Rd. Comrs. plan road to Camp Custer, brick, asphalt or asphaltic concrete. Cost between $25,000 and $50,000 per mile.

Ill., Bloomington—McLean Co. plans to issue $2,000,000 bonds to improve roads. W. Schmidt, chn.

Ill., Freeport—(Official)—Stephenson Co. lets contract about Jan. 1, State aid highway, 10-ft. brick and 3-ft. macadam shoulder. About $23,442. P. G. Hiveley, Springfield, co. supt. highways. Noted Oct. 11.

Ill., Peoria—City Council plans paving Washington St., monolithic brick and cement walks on Franklin St. About $21,000. L. D. Jeffries, city engr.

Ill., Sullivan—Moultrie Co. plans election Oct. 30 to vote on $145,000 bond issue for improving road from Rockford city limits via Cherry Valley to Boone Co. line.

Wisconsin—State Highway Comn., Madison, plans Wisconsin River highway from Grand Rapids to Nekoosa via Port Edwards across Nekoosa River to New Rome.

Ia., Ottumwa — (Official — River Front Comn., Phoenix Trust Bldg., plans to build 60-ft. boulevard; first section will be about 6700 ft. long. C. A. Wellman, chn.

Kan., Atchison—City plans paving portion 4th and U Sts. and Kansas Ave. F. S. Altman, city engr.

Kan., Wichita—City plans to pave portion Holyoke Ave., Lewis and Bluff Sts. A. Brockway, city engr.

Neb., Omaha—City plans to improve 22nd and 24th Sts., and 25th Ave., also grade portions Dodge St. and St. Marys Ave. J. A. Bruce, city engr.

North Dakota — State Highway Comn. Bismark, having plans prepared by P. W. Thomas, asst. state highway engr., for 19 mi. Federal Aid road.

Streets and Roads (Continued)

Mont., Butte—City created Impvt. Dist. No. 3 and plans to build sidewalks and grade streets. About $40,215. J. J. Armstrong, city engr.

Mo., Kansas City—City plans to pave portion Jackson and Lawn Aves. and 34th St.; artificial stone sidewalks on east side of Delaware St.; also curbing portion Jackson Ave. and 59th St. C. Hill, city engr.

Mo., St. Louis—City plans to widen Washington Ave. between Jefferson and Grand Aves. About $15,000. E. R. Kinsey, pres. bd. pub. serv.

Ark., Clarksville — Johnson Co. Comrs. plan to build macadamized road from Pope Co. to Franklin Co. line. About $140,000.

Ark., De Witt—Arkansas Co. Comrs. had plans prepared by State Highway Comn., Little Rock, building road from Stuttgart to Goldman, 6 mi., tarvia penetration. About $60,000.

Ark., Jonesboro — (Official) — Craighead Co. Comrs. let contract about November building brick and asphaltic concrete highway in Jonesboro-Nettleton Rd. Impvt. Dist. Klyce & Kackley, Life and Casualty Bldg., Nashville, Tenn., engrs. Noted Aug. 16.

Ark., Lewisville — Lafayette Co. Comrs. plan to build 22 mi. gravel road from Columbia Co. line through Buckner, Stamps and Lewisville, to Red River. About $100,000.

Ark., Morrillton—Conway Co. had plans prepared by State Highway Dept., Little Rock, for road from Mero to Van Buren Co. line, 33 mi., to be part of highway from Hot Springs to Mammoth Springs. About $65,000.

Ark., Mt. Ida—Arkansas Natl. Forest appropriated $5,334,200 to improve Caddo Valley Rd.

Ark., Van Buren—Crawford Co. Comrs. plan to build road from here to Ft. Smith thence to Boston Mt. at Winslow.

Texas—State Highway Comn. had plans prepared Dallas-El Paso Highway, 701 mi. long. About $1,025,241. G. A. Duren, state highway engr.

Tex., Colorado—Mitchell Co. election Nov. 1 to vote on $70,000 bonds to build roads.

Tex., Dallas — Dallas Co. Comrs. rejected bids resurfacing portion Richardson Rd. from Vickery to Richardson, Maple Ave. Rd. from city limits to railroad crossing and California Crossing Rd. J. F. Witt, co. engr. Noted Sept. 13.

Tex., El Paso—City election Oct. 31 to vote on $100,000 bond issue to pave street and alley intersections. G. Espy, city engr.

Tex., Ft. Worth—City Comrs. and Tarrant Co. Comrs. plan to resurface Arlington Heights Blvd. from 7th St. viaduct to center of Camp Bowie.

Tex., Linden—State Atty General's Dept., Austin, approved issue of $75,000 bonds in Cass Co. for good roads in Dist. No. 3, and $30,000 for roads in Dist. No. 2.

Tex., Palestine—Anderson Co. election soon to vote on $40,000 bond issue to build good roads in Tennessee Colony and Cayuga Communities.

Tex., Sweetwater—Nolan Co. election Nov. 10 to vote on $100,000 bond issue to build roads.

Okla., Ada — (Official) — City plans to pave residential districts. About $100,000. Benham Eng. Co., 300 Colcord Bldg., Oklahoma, engrs.

Okla., Bristow—City having plans prepared by Benham Eng. Co., engrs., Colcord Bldg., Oklahoma, for paving streets. About $75,000.

Okla., Holdenville—Hughes Co. sold $73,000 bonds for road improvements. A. J. Johnson, co. clk. Noted Sept. 27.

Okla., Waurika—Jefferson Co. election soon to vote on $25,000 bond issue to build roads and bridges in Wray Twp.

Idaho, Albion—Cassia Co. voted $100,000 bond issue for road work in Burley.

Idaho, Burley — (Official)—City election Oct. 2 to vote on $42,000 bond issue for paving and other improvements deferred indefinitely. E. C. Davis, clk. Noted Sept. 27.

Oregon — State Highway Comn., Salem, plans building Columbia River Highway from here to The Dalles and through the gorge, 16.6 mi. About $320,000.

Ore., Gold Beach—(Official)—Curry Co. lets contract about May for road from Coos Co. to California state line. Noted Oct. 11.

Ore., Toledo—Lincoln Co. at recent election defeated $200,000 bonds for road work. Noted Sept. 27.

Wash., Seattle—City rejected bids paving Beacon Ave. A. H. Dimock, city engr. Noted Oct. 11.

Wash., Seattle—City having plans prepared paving alleys in Pettit and Brown addition. About $24,064. A. H. Dimock, city engr.

Cal., El Segundo—City voted $540,000 bonds to improve streets and build city hall.

Cal., Fresno—City plans to improve portion Franklin Ave. B. E. Cronkite, city engr.

Cal., Los Angeles—City plans to improve 10th, 66th and Andrews Sts. A. C. Hanson, city engr.

Ont., Chatham—City plans to pave portions 7th St., and remove sidewalk on Sheldon Ave. J. W. Adams, city engr.

BIDS DESIRED

Rhode Island—(Official)—Until Oct. 26, by State Bd. Pub. Rds., Providence, building section state highway in South Kingstown; advertised in this issue.

Connecticut—(Official)—Until Oct. 23, by C. J. Bennett, state highway comr., Capitol, Hartford, building roads and rein.-con. and steel bridges in various twps.; advertised in this issue.

N. J., Highland Park—(New Brunswick P. O.)—Until Oct. 29, by Boro., concrete sidewalks throughout boro. R. B. Craig, clk.

N. J., Newark—(Official)—Until Oct. 25, by Bd. Street and Water Comrs., flagging 4200 ft. cement walks, 5 in. thick on Ave. A, 3500 ft. Ave. B, 12,200 ft. Miller St., 5400 ft. Wright St. M. R. Sherrard, city engr.

N. J., West New York — (Weehawken P. O.)—Until Oct. 23, by Town, repaving 9th and Jefferson Sts. About $20,000.

N. J., West Orange—(Official)—Until Nov. 6, by City, paving portion Valley Rd., including 10,175 sq.yd. grouted granite on 6-in. concrete base. About $40,000. C. Winston, city engr. Noted Oct. 11.

Pennsylvania—(Official)—Until Nov. 8, by State Highway Comn., Harrisburg, for road work in Allegheny, Venango, and Somerset Cos.; advertised in this issue.

Pa., Scranton—See "Sewers."

W. Va., Fayetteville—Until Nov. 5, by Fayette Co., grading road in Kanawha Dist., 3 mi. R. J. Stegall, clk. P. Konrad, Kanawha Falls, engr.

Miss., Coffeeville—(Official)—Until Nov. 5, by Bd. Superv., Yalobusha Co., 15 mi. paving; L. T. Whisdom, chancery clk.; advertised in this issue.

Tenn., Morristown—Until Oct. 26, by D. C. Morris, recdr., improving several streets including 5000 cu.yd. excava.; 7000 sq.ft. 16-ft. water-bound macadam paving, 7800 lin.ft. curb and gutter; 34,530 sq.ft. 4½-ft. sidewalk; 2230 sq.ft. concrete crossings; 40 lin.ft. 24-in. pipe; 30 lin.ft. 19-in. pipe; 1690 lin.ft. 15-in. pipe; 1200 lin.ft. 12-in. pipe; 200 lin.ft. 10-in. pipe; 14 catch basins and 7 manholes.

Ohio—(Official)—Until Oct. 23, by C. Cowen, state highway comr., Columbus, improving highway in Franklin Co., Sects. M. and O, Columbus-Sandusky Rd., brick on concrete base. About $12,429.

O., Cleveland—Until Oct. 24, by City, paving, grading, draining and curbing portion East 130th St. R. Hoffman, city engr.

Michigan—Until Oct. 24, by State Highway Comn., Lansing, building 7008 mi. water-bound macadamized road in Allegan Co., Ganges Twp.

Minn., St. Paul—(Official)—Until Oct. 22, by H. W. Austin, purch. agt., grading portions Lake Como, Phalen, Cleveland, Maplewood and Hamline Aves., and certain alleys; also curbing portion Edmund St. O. Claussen, city engr.

Kan., Kansas City — (Official) — Until Nov. 5, by Wyandotte Co. Comrs. repaving Parallel Rd., 2½ mi.; Kaw Valley Rd., 5½ mi. macadam. About $30,000. O. K. Williamson, co. engr. Noted Oct. 4.

Tex., Dallas — (Official) — Until Oct. 22, by C. E. Gross, aud., Dallas Co., grading and graveling portions Rowlette Rd.; also resurfacing portion Seagoville Rd.

Cal., Santa Cruz—Until Oct. 23, by H. H. Miller, clk. Santa Cruz Co., improving 4 mi. highway between Santa Cruz and Felton.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—City received low bid grading and playground surfacing at Smith's Pond playground, from T. H. Connolly, 2 Harland St., Roxbury, $19,500.

★**Conn., Hartford**—City let contract, cement concrete pavement to W. T. Ryan, 229 Barker St., $15,000. City will furnish all materials.

N. Y., Brooklyn—(Official)—L. H. Pounds, boro. pres., received low bids regulating and paving Hopkinson Ave., permanent asphalt pavement on 6-in. concrete base, from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $21,793; Borough Asphalt Co., 1301 Metropolitan Ave., $22,461; Cranford Co., 52 9th St., $22,739. Noted Oct. 4.

N. Y., Long Island City—M. M. Connolly, boro. pres., received low bids paving (a) portions Hughes St., sheet asphalt, 6-in. concrete foundation, (b) Hancock St., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, (a) $10,475; (b) $11,681; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (a) $10,655; (b) $11,882; Uvalde Asphalt Paving Co., 1 B'way., New York City, (a) $10,836; (b) $12,083. Noted Sept. 27.

N. Y., Mineola—Nassau Co. received low bids improving Shore Rd., Port Washington, from Smull & Dusinberry, Port Washington, $14,821; Andrews Bros., $15,045.

N. Y., New York—D. Matthewson, boro. pres., received low bids paving portions roadway of Bronx and Pelham Pkway., sheet asphalt, concrete foundation, from Union Paving Co., 120 Bway., $58,900; Uvalde Asphalt Paving Co., 1 Bway., $61,146; Davney Asphalt Co., 52 Vanderbilt Ave., $64,299.

★**N. Y., Norwich**—City let contract bitulithic pavement to Warren Bros. Co., 142 Berkeley St., Boston, $20,000.

Pennsylvania — State Highway Dept., Harrisburg, received low bids for road work, (a) Cambria Co., East Taylor Twp., Route 52, Sect. 4-0, 9878 ft. vitr. block pavement 16 ft. wide, (b) Cambria Co., Jackson and East Taylor Twps., Route 52, Sect. 4-B, 11,070 ft. vitr. block pavement, 16 ft. wide, (c) Lackawanna Co., Moosie and Old Forge Boroughs, State-aid applications Nos. 487-442; 6562 ft. rein.-con. pavement, 16 ft. wide, (d) Washington Co., Cecil and North Strabane Twps., Route 108, Sect. 1, 19,318 ft. vitr. block and rein.-con. pavement, 16 ft. wide, (e) Allegheny Co., South Fayette Twp., Route 108, Sect. 1, 16,852 ft. vitr. block and rein.-con. pavement, 16 ft. wide, (f) Lehigh Co., Hanover Twp., Route 159, Sect. 1, 11,857 ft. rein.-con. pavement, 16 ft. wide to 20½ ft., (g) Butler Co., Clinton Twp., State-aid Application No. 417, 5800 ft. vitr. block pavement, 16 ft. wide, (h) Westmoreland Co., East Huntingdon Twp., State-aid Application No. 324, 2540 ft. vitr. block pavement 16 ft. wide, (i) Montgomery Co., Upper Moreland, Abington and Upper Dublin Twps., State-aid Application No. 648, 6537 ft. rein.-con. pavement, 16 ft. wide, (j) Venango Co., Cornplanter Twp., State-aid Application No. 681, 7857 ft. vitr. block pavement, 16 ft. wide; (k) Washington Co., East Bethlehem Twp., Route 268, State-aid Application No. 738, 5900 ft. vitr. block and rein.-con. pavement 16 ft. wide; from E. H. Brua, Hollidaysburg, Pa., (a) $78,855, (b) $96,520; J. L. Elder, Center St., Ebensburg, Pa., (a) $79,624, (b) $95,882; R. Hopkins, Troy, N. Y., (a) $80,752, (f) $76,838; Mainwaring & Cumins, Inc., Phila., (b) $109,890, (i) $50,652; Gibbons & Buckley, Phila., (c) $25,499; Matthias & Stipp & Son, Scranton, (c) $27,642; O'Brien Bros., Division St., Avoca, Pa., (c) $32,309; P. F. Connelly, Reality Bldg., Elmira, N. Y., (d) $165,140; R. Swan, Jenkins Arcade, Pittsburgh, (e) $210 721, (g) $64,105; G. B. Hardner, Lentz Bldg., Allentown, Pa., (f) $69,375; J. C. Bentley, Elizabeth, N. J., (f) $72,858; N. J. Boyer, Butler, Pa., (g) $30,256; Kennedy Contr. Co., Utica, N. Y., (g) $34,730; R. Gallardi, Connellsville, Pa., (h) $20,955; Ambler, Davis Co., Harrison Bldg., Phila., (i) $44,350; Juniata Co., Empire Bldg., Phila., (i) $45,511; E. M. Love & Son, Corry, Pa., $56,663; Crossan Constr. Co., High St., Brownsville, Pa., (k) $75,322.

★**Pa., Bradford**—City let contract paving Sherman and Washington Sts., brick, to J. B. Sheenan, $18,000.

Streets and Roads (Continued)

★Pa., **Ellwood City**—City let contract paving portion 9th St. and Border Ave. to A. Dahl, Ellwood City. About $12,380.

★Pa., **Pittsburgh**—Allegheny Co. let contract road work to Booth & Linn, Ltd., 3785 Bway., New York City, East Carson St. extension in St. Clair Boro., Baldwin Twp. and Hays Boro., 13,050 ft., $351,630; Irwin Run Sect. connecting Hays Boro., and Mifflin Twp., 9100 ft., $161,275; Rhinehart Bros., Puckey Rd., Plum Twp., 10,300 ft., $15,883; T. Cronin Co., South 17th and Muriel Sts., Hope Hollow Rd., Scott Twp., 4330 ft., $56.225; Steuben St. extension, Chartiers Twp., 1650 ft., $29,962; Dravosburg Sect. of Irwin Run and West Run connecting road, Mifflin Twp. and Dravosburg Boro., 8900 ft., $143,665; Noblestown Rd., Greentree Boro. and Chartiers Twp., 5900 ft., $86 701; Noblestown Rd. (Dinsmore Sect.), Westwood Boro. and Chartiers Twp., 6150 ft., $44,845; Frankstown Ave., Penn Twp., 3150 ft., $40.650; Spring Garden Rd., Reserve Twp., 6525 ft., $94,175; D. W. Challis & Sons, 420 Centennial Bldg., Bakerstown and Warrendale Rd., Pine Twp., 7600 ft., $83,468; M. W. Ott Co., 414 Warrington Ave., Idlewild Rd., Chartiers Twp., 2700 ft., $38.056; Mattern Ave., Mt. Lebanon Twp., 1900 ft., $27.303; D. McNeil Co., Jenkins Arcade, Butler Pike, Shaler Twp., 17.300 ft., $115,990; Freeport Rd., Sect. No. 2, Harmar and O'Hara Twps., 8050 ft., $99,144.

★**W. Va., Charleston**—City let contract paving several streets and alleys to Central Eng. Co., Charleston. About $58,688. Noted Oct. 11.

★**Louisiana**—(Official)—State Highway Dept., New Orleans, let contract following highway work: Baton Rouge-New Orleans Rd., Ascension Parish, 27.48 mi.; Lafayette-New Iberia, Lafayette-Crowley Rds., Lafayette Parish, 12 2 mi., to S. A. Davis, Jackson, Miss., $86,875. Noted Oct. 4.

★**La., Minden**—City let contract 8 blocks brick paving to Kennedy, Olson Constr. Co., 601 Ridge Arcade Bldg., Kansas City, Mo.

Ohio—State Highway Comn. Columbus received low bids improving highways as follows: Ashland Co., Sect. "A," Columbus-Wooster Rd., monolithic brick, 1:54 mi., Wilson Constr. Co., Newark, $43.718; A. C. Solomon Constr. Co., Lima, $44.012. Clermont Co., Sect. "N-1" Milford-Hillsboro Rd., water-bound macadam, 0.98 mi., John Reubel Constr. Co., Cincinnati, $11.317; H. C. Lamb, Amelia, $11,378. Darke Co., Sect. "A-1," Dayton-Greenville Rd., concrete, 2:63 mi.; York & Studebaker, Greenville, $59.495; Straw & Huber, Pauling, $62,342. Huron Co., Sect. "L," Bellevue-Norwalk Rd., monolithic brick, 2.40 mi., Chris Stoltz, Bellevue, $40,744; R. L. Greenslade, Bellevue, $42 015. Knox Co., Sect. "K," Columbus-Wooster Rd., rein.-con., 1.61 mi., Latshaw & Stinchcomb, Fostoria, $47,431; H. W. Curry & Co., Eaton, $47.986. Lucas Co., Sect. "J" Toledo-Napoleon Rd., waterbound macadam, 4.48 mi.; Gray Bros., Bowling, $72,003. Mahoning Co., Sect. "B," Youngstown-Lowellville Rd., brick, 1.5 mi.; Smith Constr. Co., $53,791. Seneca Co., Sect. "A," Tiffin-Fostoria Rd., bituminous concrete, 1.55 mi.; Modern Constr. Co., Fremont, $40.448. Summit Co., Sect. "R," Akron-Canton Rd., brick, 2.08 mi.; J. L. McCormick, Canton, $64 501. Summit Co., Sect. "N-1," Cleveland-Massillon Rd., brick, 1.80 mi.; W. E. Burke & Sons, Akron, $57 853. Wayne Co., Sect. "Q," Wooster-Canal Dover Rd., monolitic brick on concrete foundation, 1.17 mi., Holmes Constr. Co., Millersburg, $23.479; McGary & Stowe, Akron, $23.823. Wayne Co., Sect. "A," Wooster-Millersburg Rd., monolithic brick on concrete foundation, 0.88 mi.; McGary & Stowe, Akron, $16.074; Holmes Constr. Co., Millersburg, $16.074; Sect. "A," Orrville-Southern Rd., monolithic brick on concrete base, 2.35 mi.; Holmes Constr. Co., Millersburg, $53.131; bituminous macadam, Baum & Ankeny, Sycamore, $48.284; Seiple & Wolfe, Youngstown, $48.465. Williams Co., Sect. "L," Bryan-Pioneer Rd., waterbound macadam, 3.81 mi., Doan & Langenderfer, Toledo, $54,992; H. M. Kelly, Bryan, $57.756; bituminous macadam, Doan & Langenderfer, Toledo, $67.120; H. M. Kelly, Bryan, $69.260. Jefferson Co., Sect. "N-2," Steubenville-Cambridge Rd., resurfacing with brick on concrete foundation, 1.83 mi.; Andrew McDonald, Steubenville, $71.918; resurfacing with brick on rolled base, $65,830. Noted Oct. 4.

★**O., Akron**—City let contract paving and stone curbing on various streets to McAlonan Bros., $19,971. Noted Oct. 4.

★**O., Elyria**—City let contract paving five streets to Elyria Constr. Co., Elyria. About $38,655. Noted Sept. 27.

★**Ill., Champaign**—City let contract paving portion Chandler St., to H. K. Rhoades & Co., Lincoln, Neb., $28,000.

★**Ill., Decatur**—(Official)—City let contract improving North Jasper St. to File & Alexander, 315 Milliken Bldg., $25,253.

★**Ill., Mendota**—(Official)—City let contract brick pavement, 5-in. concrete foundation and cement grout filler, to H. Zalper & Sons, Mendota, $33,470. Noted Sept. 27.

★**Ia., Des Moines**—City let contract paving 34th and Forest Sts., bitulithic, to J. Horrabin & Co., 2d and New York Aves., $2.84 per sq.yd.

★**Ia., Oskaloosa**—Hahaska Co. let contract grading North Market St., also streets and avenues in Penn addition to J. Herbert & Sons, Marshalltown. About $10,000.

★**Kan., Augusta**—City let contract, paving various streets to A. Jaicks Co., Amer. Bank Bldg., Kansas City, Mo., $28,000.

★**Mo., Charleston**—(Official)—City let contract paving, curbing and guttering to A. R. Young & Co., Lawrence, Kan. About $80,000. Noted Sept. 27.

★**Mo., Springfield**—(Official)—Green Co. received no bids to improve 15-mi. road in Galloway Special Rd. Dist. Work will be done by day labor. Noted Oct. 4.

★**Tex., Dallas**—City let contract paving to Texas Bitulithic Co., 1106 Praetorian Bldg., Grand St., $19,768; Washington Ave., $35,474; Kinney Ave., $24,687; Gaston Ave., $16,630.

Tex., Galveston—City received low bids filling in crest in boulevard between 34th and 39th Sts., mudshell, from Hanson & Son, Galveston, $0.95 per cu.yd.; W. D. Hadden, 1814 Amer. Natl. Insurance Bldg., $1.27; Freund & Freund, 211 23rd St., $1.45 per cu.yd. Noted Oct. 4.

★**Tex., Plainview**—City let contract 100,000 yd. brick pavement to J. N. Jordan, Plainview, $200,000.

★**Okla., Okmulgee**—City let contract paving streets to Ok-Park-Moran Co., Okmulgee, $22,965.

★**Idaho, Moscow**—City let contract 38,000 sq.yd. bituminous pavement to Asphalt Paving Co., 517 Lincoln St., .054c. sq.yd., furnishing Torpedo sand, 30c. cu.yd. of 2500 lb. f.o.b. at pit in Spokane.

★**Utah, Provo**—Utah Co. Comrs. let contract paving road between America Fork and Pleasant Grove, 2 mi., cement and rein.-con., 18 ft. wide, 4 ft. rolled shoulder on each side, to Strange & McGuire, Utah Savings and Trust Bldg., Salt Lake City, $39,000. Noted Sept. 13.

★**Utah, Salt Lake City**—(Official)—City let contract Paving Extension No. 138 to Strange-Maguire Pav. Co., Utah Savings & Trust Bldg., $10,961. Noted Sept. 13.

★**Nev., Elko**—Elko Co. let contract 6 mi. highway in Jarbidge Canyon to W. Harkins, $18,500.

★**Washington**—State Highway Comn. let contracts paving Pacific Highway, in Clarke Co., 3¼ mi., to A. Rydstrom, Tacoma, $44,989; in Skagit Co. to J. R. Wood, Seattle, $36,838; Olympia Highway, between Olympia and Kalmilchie, 3¼ mi., to Alfred & James, Centralia, $43 385; Navy Yard Highway, from Charleston to Clinton, D. Govan, Port Angeles, $78,007; Sunset Highway, from Wilbur west 4 mi. and from Govan west 8 mi., to G. L. Stickler, Uniontown, $14.394 and $20.955 respectively; State Rd. No. 22, 6 mi. from Myers Falls south in Stevens Co., to A. L. Mitchell, Spokane, $29,254. Noted Sept. 20.

★**Wash., Walla Walla**—Walla Walla Co. let contract building Inland Empire Highway from Dayton, north, to C. N. Pentecost, Walla Walla. About $32,978.

★**Cal., Hanford**—Bd. Supervs. King Co. let contract River Bend unit of highway system, involving 6000 cu.yd. excav., 515,500 sq. ft. asphaltic concrete, Topeka surface, to Blanchard-Brown Co. About $46,000. Noted Sept. 13.

★**Cal., Los Angeles**—City let contract paving Reseda Ave. to G. H. Oswald, O. T. Johnson Bldg., $139.662. Noted Oct. 11.

★**Cal., Los Angeles**—City let contract regrading and oiling Sherman Dr. and building rein.-con. bridge over Pacific Electric tracks, to W. M. Ledbetter, Pacific Electric Bldg., $24.845. Noted Oct. 11.

Cal., San Diego—City received low bid furnishing 13,500 bbl. cement for building highway from city limits to Camp Kearney, from Golden State Portland Cement Co., Marsh-Strong Bldg., Los Angeles, $1.53 per bbl., net, f.o.b. San Diego.

★**Cal., Taft**—City let contract paving, curbing and building sidewalks to Federal Constr. Co., Sharon Bldg., San Francisco. About $58,849. Noted Sept. 13.

Cal., Visalia—Tulare Co. received low bids for county highway system from Highway Constr. Co., Exeter-Merryman Rd., $72,603; Brady & Flinn, Humboldt Bank Bldg., San Francisco, Porterville-Woodville Rd., $124,971; Isbell Constr. Co., Dinuba-Kingsburg Rd. $84,127; J. E. Lee, Tulare-Paige Rd. $60,801. Noted Sept. 27.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Kansas—Joplin & Pittsburg Ry., 1st Natl. Bank Bldg., Pittsburg, made preliminary surveys for 2 mi. line from Waco into mineral fields between Waco and Lawton. W. A. Satterlee, genl. mgr.

Washington—Seattle Municipal Ry., 517 County and Citizens Bldg., Seattle, plans to extend city car lines by connecting Lake Burien and Division A lines. Project includes elevated railway on Washington and Spokane Sts., Railroad and Whatcom Aves., extending from 1st Ave. S., to the West Waterway. About $350,000. A. L. Valentine, supt.

California—Municipal Ry. of San Francisco, 2600 Geary St., received franchise from Bd. Supervs. for building new line from west portal of Twin Peaks Tunnel to 20th and Taraval Sts. Bd. Supervs. appropriated $90,000 toward cost. T. A. Cashin, supt.

British Columbia—Canada Copper Corp., Princeton, will spend about $1,000,000; greater part of sum for building railroad from Copper Mountain to Princeton, to serve mines of company.

EXCAVATION AND DREDGING

Proposed Work

N. Y., Albany—(Official)—Ditch—W. W. Wotherspoon, supt. pub. wks., received no bids for improving Erie, Oswego and Champlain Canals. Barge Canal Contract No. 163. Noted Sept. 13.

Ind., Winslow—Dredging—J. S. Spiker, engr., Vincennes, submitted report to Circuit Court Pike Co., Petersburg, estimating cost straightening Patoka River at or near Winslow, west to just above Townsend rock quarry. Work involves cutting 43 mi. wanderings by little river down to 17 mi., thus taking out many kinks; at one point a meandering of 14 mi. will be replaced by 4-mi. straight dredge. About $409,001.

Ill., Lawrenceville—(Official)—Ditch—Lawrence Co. Comrs. received no bids, rebuilding 6 mi. old ditch, involving 50,000 cu.yd. excav., also 2 mi. new ditch, involving 72.000 cu.yd. excav. as contractors claimed estimate was too low. G. C. Harvey, Mt. Carmel, engr. Noted Oct. 4.

Minn., Minneapolis—Ditch—Hennepin Co. had plans prepared for open ditch, involving 3-mi. main ditch, 10-ft. bottom, 3 open laterals, 50,000 cu.yd. excav. Address W. H. Nicol, secy., 303 South 3rd St. W. R. Hoag, 623 14th Ave., S. E., engr.

Neb., Hastings—Drainage—Bd. Supervs. Adams Co., plans to reclaim Kernan Lagoon. Work involves releasing of 473 acres and drainage project to cost about $15,000. County to appropriate ½ of cost, property owners, ½.

Utah, Widtsoe—Irrigation—Emery Valley and Reservoir Co. plans to raise company's dam on east fork Sevier River to irrigate 20,000 acres. About $70,000.

Ore., Gold Hill—(Official)—Ditch—Gold Hill Irrigation District receiving bids about Jan. 1, building irrigation ditch. Bonds for $60,000 voted for work. G. B. Alden, pres.

Cal., Alameda—Dredging—Southern Pacific Co. plans to dredge channel along its seawall. About $150,000.

BIDS DESIRED

Ill., Crete—Drainage—Until Oct. 22, by Comrs. Deer Creek D.D. No. 3, furnishing, hauling, digging ditch, laying and back filling, 18,977 ft. 6- to 18-in. No. 1 shale tile. S. Rose, town clk. E. Schrage, comr.

Minn., Duluth—Ditch—Until Oct. 29, by St. Louis Co., building Co. Ditch No. 11, Canosin region, involving 43,116 cu.yd. excav., 79 cu.yd. rock grading, etc. About $10,869. Noted Sept. 20.

Excavation and Dredging (Continued)

Minn., Mankato — Ditch — Until Oct. 23, by Blue Earth Co., building Co. Ditch No. 53, involving 25,230 ft. 10- to 24-in. tile. About $14,180. R. H. Allison, co. engr.

Neb., Papillion—Drainage—Until Nov. 1, by Western Sarpy D.D., building 7¼ mi. open ditches, 2½ mi. levee, tile and brush jetties in river. About $33,463. J. H. Langdon, Gretna, secy. dist. H. D. Patterson, Papillion, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Albany—Canal—W. W. Wotherspoon, state supt. pub. wks., received low bids for Contract No. 83, completing canal at Tonawanda and removing guard lock and cofferdam near Sulphur Springs, from Mohawk Dredge & Dock Co., Inc., Herkimer, $216,915; Contract No. 164, completing and building canal at certain locations between Lyons and Newark also for retaining dam at Macedon, from Lathrop, Shea & Henwood Co., Ellicott Sq., Buffalo, $159,848; Mohawk Dredge & Dock Co., Herkimer, $228,947. Noted Sept. 13.

N. Y., Albany—(Official)—Canal—W. W. Wotherspoon, supt. pub. wks., received low bids, electrical equipment and operating machinery for Utica Terminal Lock, Barge Canal Contract No. 15-M, from Lupfer & Remick, Ellicott Sq., Buffalo, $36,967; Lord Constr. Co., 105 West 40th St., New York City, $49,100. Noted Sept. 13.

★**Minn., Mankato**—(Ditch)—Blue Earth Co. let contract building Judicial Ditch No. 22 to Riese & Hall, Eagle Lake, $13,000.

INDUSTRIAL WORKS

Proposed Work

Mass., Fitchburg—Manning, Maxwell & Moore, 100 Bway., New York City, plans steel rolling mill here. About $500,000.

Mass., New Bedford—Union St. Ry., 814 Purchase St., soon lets contract for 80 x 115-ft. power station, brick, concrete, and steel, on Middle St. About $665,000. H. M. Hopes, 185 Devonshire St., Boston, archt.

N. Y., Brooklyn—Midwood Building Co., 44 Court St., having plans prepared by Cantor & Dorfman, archts., 373 Fulton St., 2-story, 80x100-ft., brick and steel garage. About $50,000.

N. Y., Buffalo—Standard Mirror Co., 1168 Seneca St., plans 2-story, 200 x 400-ft. brick and steel factory, 141 Milton St. W. La Hodney, pres.

N. Y., Gloversville—D. Hays Co., 185 West Fulton St., having plans prepared by Comstock & Van Dreser, archts., 29 West Fulton St., 3-story, 40x180-ft. brick factory. About $60,000.

N. Y., Hague — Foxon Graphite Co., Hague, plans new plant. About $300,000.

N. Y., New York—T. J. McCahill, 45 East 42d St., had plans prepared by C. W. Culgin, archt., 15 Broad St., for 6-story, 75 x 98-ft. garage at 144-48 East 41st St. About $130,000.

N. Y., New York—B. Mathonn, 17 East 37th St., had plans prepared for 6-story, 50x50-ft. brick garage, 112 East 32nd St. About $100,000.

N. J., Newark—J. Oschwald, 185 Bigelow St., plans 2-story, 65 x 239-ft. rein.-con. service station. Plane and Hackett Sts. About $55,000.

Pa., East Pittsburgh—Westinghouse Electric & Mfg. Co., having plans prepared by Prack & Perrine, archts., 803 Keystone Bldg., Pittsburgh, 165 x 241-ft. foundry. About $50,000.

Pa., Middletown—Langius Aircraft Co., 149 Bway., New York City, plans factory here. About $250,000. E. W. Bloomingdale, chn. bd. dirs.

Pa., Phila.—Ft. Mifflin Shipbuilding Co., Widener Bldg., plans to incorporate with $10,000,000 capital stock and build plant on Delaware River. A. Masters, Montclair, N. J., pres.

Pa., Phila.—White Motor Car Co., 842 East 79th St., Cleveland, had plans prepared by J. W. Watson & Co., engrs., Leader News Bldg., Cleveland, 1- and 2-story, 210x270-ft. service building, 20th St. and Erie Ave. About $325,000. W. T. White, pres.

Pa., Pittsburgh—Atlantic & Pacific Tea Co., 825 East 141st St., New York City, had plans prepared by Ballinger & Perrot, archts., 17th and Arch Sts., Phila., for garage and warehouse. About $300,000. A. Brooks, 32 Terminal Way, mgr.

N. C., Kinston—A. J. Chesson Mfg. Co. plans plant for manufacture of farm implements. About $50,000. A. J. Chesson, pres.

Miss., Meridian—City election Nov. 2 to vote on $150,000 bond issue to build ice plant. J. C. Watts, city engr.

La., New Orleans—Wilson & Co., Constance and St. Joseph Sts., secured site on river front and plans to build new packing plant. About $2,000,000. W. D. Cooper, mgr.

Tenn., Jackson—Illinois Central Ry. plans to build store and oil house; some of buildings to be 1-story, 37 x 175 ft. and others 2-story, 37 x 72 ft. About $50,000. A. S. Baldwin, Chicago, ch. engr.

O., Cleveland—National Lamp Works plans warehouse and factory, 1131 East 152nd St. About $160,000. G. H. Johnson, archt.

O., Massillon—A. M. McCarty, of Canton, and associates, plan iron and steel plant on North Summit St., here. About $1,000,000.

O., Westerville—Culver Superior Glass Co., recently organized, plans to build bent glass factory. About $100,000. W. D. Shaw, pres.

O., Youngstown—Automatic Sprinkler Co., Brittain St., has purchased 1-acre site and had plans prepared for addition to plant. About $50,000.

O., Zanesville—City sold $100,000 bonds to build market house. Noted Aug. 23.

Ill., Chicago—Ehman Tire & Rubber Co., 144 West 27th St., had plans prepared by Dibelka, Flake & Minchin, archts., 130 North 5th Ave., for 3-story addition to its factory. About $50,000. A. C. Ehman, pres.

Ill., Chicago—Shank & Co., 30 North La Salle St., plans 5-story brick warehouse, 3950-58 Federal St. About $200,000. Wheelock & Shont, 64 W. Randolph St., Arch.

Ill., Cicero—Chicago, Burlington & Quincy R.R., Chicago, plans 1-story, 41x121-ft. machine shop at Clyde Sta. About $60,000. G. B. Harris, Chicago, ch. engr.

Ill., Madison—Tri-City Steel Co., 2021 Railway Bldg., St. Louis, Mo., recently incorporated with $1,000,000 capital stock, plans to purchase 8½-acre site and build rolling mill. About $100,000. J. A. Hyle, gen. supt.

Ia., Atlantic—Waterloo Creamery Co., 1617 Howard St., Omaha, Neb., plans 2-story, 50x100-ft. brick creamery. About $50,000. R. Corliss, pres.

Minn., Duluth—Marshall Wells Hardware Co., Lake Ave., plans to build factory. About $70,000.

Colo., Pueblo — Norcross Chemical Co. has purchased site of 120 acres and plans to build factory.

Idaho, Nampa—Nampa Milk Co., Nampa, plans 2-story, 88x200-ft. condensary. About $100,000.

Wash., Tacoma—Alber Bros., 821 Dock St., plans improvements and additions to plant, situated on city waterway. About $80,000.

Ont., Sarnia — Romeo Fdry. Co., Port Huron, Mich., plans foundry at Christina and Exmouth Sts., for manufacture of automobile castings. About $200,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Boston Wharf Co. let contract 8-story, rein.-con. warehouse, 369 Congress St., to W. F. Kearns Co., 240 Albany St., Cambridge.

★**Pa., Allenport**—Pittsburgh Steel Products Co., Frick Annex Court, Pittsburgh, let contract 1-story tube mill to Wilson Constr. Co., Fulton Bldg., $75,000.

★**Pa., Phila.** — Philadelphia Electric Co., 10th and Chestnut Sts., let contract power plant, Beach and Palmer St., to Stone & Webster Co., 147 Milk St., Boston, $8,000,000.

★**Pa., Phila.** — (Tacony) — Tacony Ordnance Co., Commercial Trust Bldg., let contract new plant, including 1-story open-hearth shop, 1-story machine shop, 1-story forge shop and 1-story treating plant to F. W. Marks Constr. Co., Finance Bldg., $450,000.

★**Pa., Phila.**—Unit Constr. Co. [illegible] contract building 1- and 3-story gun [illegible] turing plant, Gray's Ferry Ave. [illegible] St., to J. N. Gill & Co., 1215 Filb[illegible] St., $80,000.

★**Pa., Pittsburgh**—Point Motor Sa[illegible] Co., 56 Water St., let contract 3-story, [illegible] ft. garage, to D. T. Riffle, Keenan Bldg., $50,000.

★**Ga., Brunswick**—American Shipbuilding Co., 11 Bway., New York City, let contract 2-story mill and 2-story stock building to J. G. Conzelman, Brunswick. Noted Sept. 27.

★**Tenn., Nashville**—E. M. Bond Fireproof Storage Co., 211 3rd Ave., let contract 4-story storage warehouse to Potter & Creighton, $70,000.

★**O., Akron**—N. Loeser, 1533 East 93rd, Cleveland, let contract brick warehouse, 158 Hill St., to Clemmer & Johnson, High and Church St. About $140,000.

★**O., Cleveland**—Natl. Lamp Co., Nela Park, East Cleveland, subsidiary of General Electric Co., let contract 3-story factory, East 52nd St., to be known as Pitney Glass Works, to Heller Bros., Osborn Bldg., $400,000. Noted Sept. 20.

★**O., Cleveland**—J. A. Wigmore & Co., 1330 Williamson Bldg., let contract 2-story, 108x220-ft. sales, service station and garage to Masters & Mullen Constr. Co., 601 Electric Bldg., $125,000.

★**Ill., Chicago** — Ames Steel Co., 2716 Farrell St., let contract 4-story, brick factory to J. Rodatz, 209 South La Salle St., $60,000

★**Ill., Chicago**—Brennan Packing Co., 3916 Normal Ave., let contract 4-story, 65x150-ft. cold-storage building, 49th St. and Union Ave., to E. W. Sproul Co., 1120 West 35th St., $100,000.

★**Colo., Denver**—Linde Air Products Co., 217 West 29th St., New York City, let contract 1-story, 130x155-ft. factory to C. S. Lamble Co., 321 Tramway Bldg., $50,000. Noted May 17.

★**Que., Montreal** — Montreal Locomotive Wks. let contract factory to Structural Steel Co., 10 Cathcart St., $50,000.

★**Ont., Hamilton**—Canada Screw Co., 334 Wellington St., let contract addition to plant to W. H. Yates, 24 Leeming St. About $100,000. Noted Aug. 2.

BUILDINGS

Proposed Work

Mass., New Bedford—School—Bd. Educ. having plans prepared by F. C. Brown, archt., 667 Pleasant St., 2-story, brick, Emma and Freeman Sts. About $150,000.

Mass., Pittsfield—Hospital—House of Mercy, North St., plans, 2-story, 40x125-ft. About $50,000. J. McArthur Vance, 24 North St., archt.

N. Y., Albany—Club House—Young Men's Hebrew Assn. plans. About $80,000. H. Cohen, chn. bldg. com.

N. Y., Chenango—Hospital—Broome Co. Comrs. (Binghamton) had plans prepared by W. H. Whitlock, archt., Security Mutual Bldg., Binghamton, 2-story tuberculosis hospital. About $60,000. H. C. Williams, co. clk.

N. Y., New York—Store and Loft—R. H. Macy & Co., 6th Ave. 34th and 35th Sts., soon receives bids, 4-story, 25x75-ft. J. H. Scheier, 25 West 42nd St., archt. Noted Sept. 13.

N. Y., New York—Office—New Jersey Zinc Co., 55 Wall St., having plans prepared by H. J. Hardenburgh, archt., 42 West 34th St., 7-story, brick and stone.

N. Y., New York—Hospital—Volunteer Hospital having revised plans prepared by A. Mertin, archt., 34 West 28th St., 4-story, 75x80-ft. addition, Beekman and Water Sts. About $75,000. Gen. Ballington Booth, pres. Noted July 12.

N. Y., Rochester—Club—Knights of Columbus, c/o. Meng & Shefer, Powers Blk., having plans prepared by Gordon & Madden, archts., Sibley Bldg., 3-story, 90x200-ft. About $150,000.

N. J., Atlantic City—Home—Order of King's Daughters and Sons plans Home for Aged. About $75,000.

N. J., Glassboro—Normal School—State Bd. Educ. plans State Normal School here. About $300,000. J. P. Murray, Jersey City, pres.

dings. (Continued)

N. J., Bayonne—Y. M. C. A., c/o. C. A. Towsen, 124 East 28th St., New York City, having plans prepared by Shattuck & Hussey, archts., 19 South La Salle St., Chicago, brick. About $250,000.

N. J., Manville—Hotel—H. W. Johns-Manville Co., c/o. R. Newsome, Madison Ave. and 41st St., New York City, plans, 3-story, 150x150-ft. About $100,000.

N. J., Newark—Hospital—Bd. Dir. of the Mecca of Chopractic Hospital and Clinics of Drugless Physicians, plans, 4-story, 50 x 60-ft. Warren St. About $95,000.

N. J., Plainfield—Y. M. C. A. plans 4-story, 100x150-ft. building on Sycamore St. L. E. Jallade, 37 Liberty St., New York City, archt.

N. J., South Amboy—School—Bd. Educ. plans. About $85,000. J. E. Coogan, secy.

N. J., Trenton—Detention—State Hospital for Insane had plans prepared by F. H. Bent, state archt., State House, for 2-story addition. About $110,000.

Pa., Pittsburgh—Home—Curtis Home, Breckenridge Ave., plans addition. About $50,000.

Pa., Pittsburgh—Nurses' Home—St. Margaret's Memorial Hospital had plans prepared by T. E. Billquist, archt., Vandergrift Bldg., 4-story, 35x115-ft. E. J. Edsall, 265 46th St., supt.

O., Canton—Research—State plans Juvenile Research building on State Hospital grounds, West Broad St. About $100,000 available for work.

W. Va., Charleston—Home—A. E. Humphreys, 215 Coronado Bldg., Denver, Colo., plans Home for Aged. About $2,000,000.

La., Monroe—Court House and Jail—Ouachita Parish Police Jury having plans prepared. About $250,000.

O., Toledo—High School—Bd. Educ. to sell $200,000 bonds Nov. 1 to build South High School. L. I. Donat, clk.

Ind., Wishawaka—Hospital—St. Mary's Mercy Hospital soon lets contract, 3-story, 46x100-ft. About $120,000. H. Gaul, 111 West Washington St., Chicago, archt.

Mich., Benton Harbor—Church—St. Mathews Congregation had plans prepared by A. Dohman, archt., 1st Natl. Bank Bldg., Milwaukee, Wis., 1-story. About $50,000.

Mich., Detroit—Church—Beulah Baptist Congregation plans, Kercheval and McClellan St. About $50,000.

Mich., Detroit—School—Bd. Educ. had plans prepared by Malcomson & Higginbotham, archts., 404 Moffat Bldg., for addition to school. About $50,000.

Wis., Milwaukee—School—Bd. Industrial Educ. plans, 7th and Prairie Sts. About $200,000.

Ia., Davenport—Hospital—St. Anthony Hospital having plans prepared by A. Dohman, archt., 1st Natl. Bank Bldg., Milwaukee, Wis., 5-story. About $250,000.

Ia., Manchester—Church—Congregational Church plans. About $78,000.

Ia., Menlo—School—Bd. Educ. having plans prepared by Proudfoot, Bird & Rawson, archts., 810 Hubbell Bldg., 2-story. About $70,000. J. W. Wilson, pres.

Ia., Sioux City—Office—Home Securities Co., Sioux City, plans, 12-story. About $80,000. P. H. Pilchard, pres.

Minn., Coleraine—High School—Bd. Educ. plans addition. About $75,000. W. T. Bray, Fidelity Bldg., Duluth, archt.

Minn., Dodge Center—Home—Dodge Co. plans, 2-story, 40x100-ft., brick, Home for Poor. About $50,000. Alden & Harris, 1011 Nat'l. Ex. Bank Bldg., St. Paul, archts.

Minn., Minneapolis—Y. M. C. A. plans building at University of Minnesota. About $160,000. E. C. Gale, 800 Security Bldg., chn. bldg. com.

Minn., Rochester—Hospital—Sisters of St. Francis plan addition to St. Mary's Hospital. About $500,000.

Minn., Rochester—Store and Hotel—Knowlton Realty Co., plans, 6-story, 110x140-ft., cut stone. About $275,000. F. H. Ellerbee, 381 Jackson St., St. Paul, archts.

Minn., St. Paul—Club—St. Paul Athletic Club, plans, 11-story, 100x112-ft., Redford cut stone and red brick. About $700,000. A. H. Stem, Oppenheim Bldg., archt.

Minn., St. Paul—Hospital—Chas. T. Miller Memorial Hospital receives bids about November 240x300-ft., Summit Ave. A. H. Ancker, 337 Wabasha St., chn. bldg. comn. C. H. Johnston, 715 Capital Bank Bldg., archt.

Neb., Allen—School—City voted $50,000 bond issue for schools.

Neb., Norfolk—Hotel—American Hotel Co. plans, 8-story, 75 x 80-ft., and 2-story, 4th St. and Norfolk Ave. About $300,000.

Neb., St. Paul—Community—City had plans prepared by G. A. Berlinghoff, archt., 911 Security Mutual Life Bldg., Lincoln, 3-story, 50x110-ft. About $50,000. F. A. Taylor, secy.

Mo., St. Louis—Clinic—Bd. Pub. Serv. soon receives bids, 4-story. About $190,000. A. R. Kensey, pres.

Tex., Houston—(Houston Heights)—School—Bd. Educ. plans to build 2 schools. About $100,000.

Tex., Orange—School—City plans election to vote on $75,000 bond issue to build addition to Anderson School. G. W. Curtis, secy. school bd.

Okla., Miami—Jail—County plans election Nov. 20 to vote on $50,000 bond issue for jail. W. P. McCullough, Ottawa, co. clk.

Okla., Pauls Valley—Court House and Jail—Garvin Co. plans election to vote on $150,000 bonds to build court house and jail.

Okla., Tulsa—Bank and Office—S. G. Kennedy, 205 Gallias Bldg., plans 10-story, 100 x 140-ft. addition to Kennedy Bldg., 4th St. and Boston Ave. About $500,000. A. W. Black & Son, Security Bldg., St. Louis, archts.

Wash., Olympia—High School—Bd. Educ. receiving bids about Dec. 1, 3-story, 140 x 150-ft. brick. About $100,000. Heath & Gove, archts., Natl. Realty Bldg., Tacoma, preparing plans.

Wash., Seattle—Loft—J. W. Goodwin, Pike Pl. Market, plans, 4-story, on 1st Ave. About $60,000.

Wash., Spokane—Infirmary—Spokane Co. Comrs. appropriated $80,000 for addition to Tuberculosis Hospital at Edgecliff. Noted Oct. 11.

Cal., El Segundo—City Hall—See "Streets and Roads."

Cal., Los Angeles—Hotel—D. A. and M. A. Hamburger and W. H. Clune, 528 South Bway., had plans prepared, 12-story, 160x248-ft., steel, brick and rein.-con., Bway. and 9th St. About $1,500,000.

Cal., Los Angeles—Office—H. J. Goudge, 622 Investment Bldg., plans, 9-story, 70x155-ft., rein.-con. and brick, on Spring St. Train & Williams, 226 Ex. Bldg., archts.

Cal., Los Angeles—Sanitarium—Western Episcopal Society, incorporated with $100,000 capital stock, plans to build here. About $500,000.

Cal., Vallejo—Schools—City election Nov. 16 to vote on $60,000 bond issue to build schools.

BIDS DESIRED

N. Y., Brooklyn—Armory—Until Oct. 24, by City, additions and alterations to armory buildings on 8th Ave. and 15th St. and Marcy Ave. and Hayward St. About $260,000. Pilcher & Tachau, 109 Lexington Ave., New York City, archts.

N. J., Jersey City—Hospital—Until Oct. 23, by City Comrs., for additions to City Hospital. F. A. Dolan, city clk. Noted July 5.

N. J., Trenton—Dormitory—Until Oct. 29, by F. H. Bent, state archt., State House, at School for Deaf.

S. C., Columbia—Jail—Until Oct. 30, by Newberry Co. J. M. Davis, chn. bldg. com.

Ia., Davenport—Schools—Until Oct. 31, by Bd. Educ., for 3 intermediate schools. J. D. McCollister, secy. Temple & Burrows, 63 Davenport Savings Bank Bldg., archts.

Minn., Lakefield—High School and Manual Training—Until Nov. 2, by Bd. Educ., 2-story, 51x70-ft., also 2-story, 61x96-ft., rein.-con. brick and tile. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt. Noted Aug. 30.

Kan., Lawrence—Campus—Until Nov. 1, by C. H. Chandler, state archt., State House, Topeka, 3-story, 66x139-ft. and 26x240-ft. About $225,000. J. A. Kimball, Topeka, mgr. bd. administration.

Okla., Sapulpa—High School—Until Oct. 25, by Bd. Educ., 3-story, brick, stone and rein.-con. Cost between $175,000 and $200,000. J. W. Young, clk. C. A. Popkin, Berryhill Bldg., archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Greenwich**—Nurses' Home—Greenwich Hospital let contract, 2-story, 67x85-ft., Williams St., to C. P. Willis, Inc., 286 5th Ave., New York City, $60,000.

★**Conn., New Haven**—College—Yale University let contract 10 buildings to M. Eidlitz & Son, 30 East 42nd St., New York City, $2,500,000.

Conn., Shelton—Infirmary—Tuberculosis Sanitorium received low bids, from A. Miller, 21 Church St., Meriden, $62,823; T. J. Pardy Constr. Co., 15 Fairfield Ave., Bridgeport, $66,474.

★**N. J., Bayonne**—Bd. Educ. let contract addition to School No. 11 to G. W. Cranwell & Son, Union St., West Hoboken, $50,000.

★**N. J., Newark**—Fire House—City let contract, 2-story, brick, to W. H. Connolly Co., Inc., 495 12th Ave. About $50,000. Noted Oct. 11.

★**Pa., Bloomsburg**—(Official)—Bank and Office—Columbia County Trust Co. let contract, 4-story, 24x120-ft., to E. H. Sheets, Ritter Bldg., Huntington, W. Va. Noted Oct. 4.

★**Wash., D. C.**—Bank—Dist. Nat. Bank let contract, 28 x 113 ft., granite and marble, G St., near 14th St., N. W., to W. P. Lipscomb & Co., 1405 F St., $150,000.

★**O., Akron**—School—Bd. Educ. let contract, Girard St., to Carmichael Constr. Co., 524 Hamilton Bldg., Akron, $250,000.

★**O., Cleveland**—Home—Montefiore Home for Aged and Infirm Israelites let contract, 170x216-ft., on Mayfield Rd., to R. Hansen, 1413 East 95th St. About $200,000. Noted July 12.

★**Ill., Chicago**—Theater and Store—T. F. Brett, 15 North Ashland Ave., let contract, 3-story, to Harris & Kusel, 707-110 South Dearborn St., $220,000.

★**Wis., Hudson**—High School—Bd. Educ. let contract to W. Baumeister Co., St. Paul, Minn., $75,000.

★**Minn., Kasson**—High School—Bd. Educ. let contract, School Dist. No. 30, to Madsen & Peterson, Plymouth Bldg., Minneapolis. About $101,000. Noted Sept. 13.

★**Neb., Clay Center**—Court House—Clay County let contract to Olson & Johnson, 1236 1st Natl. Bank Bldg., Omaha. About $120,000. Noted Sept. 27.

★**Mo., Kansas City**—Nurses' Home—Christian Hospital, 27th and Paseo Sts., let contract 3-story, brick and rein.-con., to Swinson Constr. Co., Shubert Theater Bldg. About $75,000. Noted Oct. 11.

★**Tex., Mineral Wells**—Hotel—Crazy Hotel Co., Crazy Well Bldg., let contract addition to Van Horn & Martel, $10,000.

★**Cal., Los Angeles**—Mausoleum—California Mausoleum Co., Chamber of Commerce Bldg., Pasadena, let contract 32x143-ft., rein.-con., brick, granite, tile, marble, in Hollywood Cemetery, to W. C. Crowell, 440 Chamber of Commerce Bldg., Pasadena, $100,000.

★**Ont., London**—Hospital—Salvation Army let contract, brick and rein.-con., to R. G. Wilson, 193 College St. About $50,000.

FEDERAL GOVERNMENT WORK

Proposed Work

R. I., Newport—Extension to General Storehouse—Bureau Yards and Docks, Navy Dept., Wash., soon receives bids for extension to general storehouse, Naval Torpedo Sta. About $100,000.

N. Y., New York—Depot—Bureau Yards and Docks, Navy Dept., Wash., soon receives bids building Medical Supply depot. About $200,000.

Pa., Phila.—Heating System—Bureau Yards and Docks, Navy Dept., Wash., preparing plans for heating system for foundry. About $50,000.

Pa., Phila.—Marine Barracks, etc.—Bureau Yards and Docks, Navy Dept., Wash., preparing plans for marine barracks and mechanical equipment for clothing department at Quartermaster Dept. About $99,000.

Pa., Phila.—Tank and Tower—Bureau Yards and Docks, Navy Dept., Wash., soon receives bids for elevated steel tank and tower. About $20,000.

Federal Government Work (Continued)

Wash., D. C.—Aviation Camps—War Dept., Signal Corps, Wash., soon lets contract building 10 aviation camps; will probably be located in South Carolina, Florida, Oklahoma, and Illinois. Cost about $750,000 per unit.

Wash., D. C.—Retaining Wall—Bureau Yards and Docks, Navy Dept., soon receives bids building at Naval Hospital. About $40,000.

Va., Norfolk—Tower—Bureau Yards and Docks, Navy Dept., Wash., soon receives bids for 200-ft. steel tower. About $12,000.

La., New Orleans — Radio Buildings — Bureau Yards and Docks, Navy Dept., Wash., preparing plans. About $15,400.

P. R., El Cayey—Radio Towers—Bureau Yards and Docks, Navy Dept., Wash., cancelled advertisement for the building of 3 radio towers. Bids to have been opened Oct. 15. Noted Oct. 11.

BIDS DESIRED

Me., Caribou—Post Office—Until Nov. 20, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Wash., D. C.—Fitting-Out-Cranes—Until Nov. 19, by Bureau Yards and Docks, Navy Dept., Wash., for 3 electrically-operated fitting-out cranes of 350 gross ton capacity at Navy Yards, Norfolk, Va., New York and Philadelphia.

W. Va., Wheeling — Maneuver Boats — Until Nov. 16, by U. S. Engr. Office, Wheeling, furnishing and delivering 7 maneuver boats for Ohio River dams; advertised in this issue.

Miss., Gulfport—Emergency Hospital — Until Oct. 22, by Bureau Yards and Docks, Navy Dept., Wash., at Gulfport.

Miss., Vicksburg—Levee Work — Until Nov. 8, by 3rd Mississippi River Dist., P. O. Box 404, building about 1,000,000 cu.yd. levee work; advertised in this issue.

N. D., Elbowoods—Building—Until Nov. 7, by C. Sells, comr. Indian Affairs, Wash., D. C., building 1 office building, No. 14 at Ft. Berthold Indian Agency.

Mo., St. Louis—Levee Work—Until Oct. 31, by Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, building 80,000 cu.yd. earthwork, Henderson Co. D.D. No. 1, Ill.

Tex., El Paso—(Official)—Canals—Until Nov. 15, by U. S. Rec. Serv., El Paso, building canals on Rio Grande Project. A. P. Davis, ch. engr., advertised in this issue.

Colo., Towaoc—Bridge—Until Nov. 6, by C. Sells, comr. Indian Affairs, Wash., D. C., building highway bridge, Ute Mountain Indian Reservation.

N. M., Farmington—Bridge—Until Oct. 22, by Dept. of Interior Office of Indian Affairs, Wash., D. C., building steel highway bridge at Farmington.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Chelsea—Hospital—Bureau Yards and Docks, Navy Dept., Wash., received low bids for emergency hospital buildings at Naval Hospital Reservation, (work complete), from Howard Bros., 412 Dorchester Ave., South Boston, $233,000; W. Crane, Cambridge, Mass., $269,900; Murphy Constr. Co., Dorchester, $319,000. Noted Oct. 11.

★R. I., Melville—Officers' Quarters—Bureau Yards and Docks, Navy Dept., Wash., let contract building 2 sets double officers' quarters, U. S. Naval Coal Depot, to Sullivan Bros., 40 Berkley Ave., Newport, $17,947.

Conn., New London — Piers and Quay Walls—Bureau Yards and Docks, Navy Dept., Wash., received low bids, building, at Naval Sta., (1) timber piles, (2) sheet piling, (3) timber, (4) steel and iron, (5) cleats and mooring posts, (6) concrete, from H. P. Converse & Co., 88 Broad St., Boston, (1) .395c. (b) .125c. (c) .47c.; (2) .32c. (3) $114. (4) .14c. (5) .0975c. (6) $14; Robins Ripley Co., 50 Church St., New York City, (1) .50c. (b) .25c. (c) .53c. (2) .40c. (3) $77.50, (4) .158c. (5) .075c. (6) $14.30; T. A. Scott Co., 292 Pequot Ave., (1) .57c. (b) .46c. (c) .69c. (2) .55c. (3) $120, (4) .12c. (5) .09c. (6) $8000.

N. Y., Brooklyn — Temporary Storehouse —Bureau Yards and Docks, Navy Dept., Wash., received low bids building temporary storehouse on Ordnance Dock, Navy Yard, items 1 to 23, united prices on excav., concrete lumber, plumbing, etc., from North Eastern Constr. Co., 225 5th Ave., New York City; Barney Hocke, Ahlers Constr. Co., New York City and Shelbourne & Blake Constr. Co., Inc., Newark, N. J.

★N. Y., New York — Hydraulic Plants, etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract building hydraulic plants, structural and machine shops, to E. J. Smith, 30 Church St., $59,200.

Pa., Ft. Mifflin—Mine Storage Building—Bureau Yards and Docks, Navy Dept., Wash., received low bids, at Naval Ammunition Depot, (work complete), J. H. Miller, Eutaw and Franklin Sts., Baltimore, Md., $40,206; W. L. Goeltz Co., 50 Church St., New York City, $46,000. Noted Oct. 4.

★Pa., Phila.—Boilers — Bureau Yards and Docks, Navy Dept., Wash., let contract for 2 boilers for aircraft factory to Edgemoor Iron Co., Edgemoor, Del., $51,140, supplemental agreement.

★Pa., Phila.—Buildings — Bureau Yards and Docks, Navy Dept., Wash., let contract for 7 buildings to McCloskey & Bahls, 1620 Thompson St., $180,825. Noted Oct. 4.

★Pa., Phila.—Dredging — Bureau Yards and Docks, Navy Dept., Wash., let contract dredging in Reserve Basin, Navy Yard, to Maryland Dredging & Contr. Co., 1515 Fidelity Bldg., Baltimore, $12,400; time 240 days. Noted Oct. 11.

★Pa., Phila.—Fire Protection System—Bureau Yards and Docks, Navy Dept., Wash., let contract building in aircraft factory, to General Fire Extinguisher Co., 275 West Exchange St., Providence, R. I., $21,282.

★Pa., Phila.—Heating — Bureau Yards and Docks, Navy Dept., Wash., let contract heating system in Y. M. C. A. and Chaplain's Buildings, to Baker Smith & Co., 1605 Sansom St., $22,715.

★Pa., Phila.—Piping—Bureau Yards and Docks, Navy Dept., Wash., let contract piping aircraft factory to Almirall & Co., Inc., 1 Dominick St., New York City, $39,400.

★Pa., Phila.—Quarters for Radio Operators—Bureau Yards and Docks, Navy Dept., Wash., let contract to W. O. Springer, 1624 Latimer St., $14,664. Noted Oct. 11.

★Md., Annapolis—Radio Towers — Bureau Yards and Docks, Navy Dept., Wash., let contract building 4 radio towers to Austin Co., 1026 Bulletin Bldg., Phila., $301,250, cost plus percentage.

Md., Indian Head—Laboratory—Bureau Yards and Docks, Navy Dept., Wash., received low bids, (work complete), from Richardson & Burgess, Colorado Bldg., Wash., D. C., $4500. Noted Oct. 11.

★Md., Indian Head — Piers and Bulkhead—Bureau Yards and Docks, Navy Dept., Wash., let contract, at Naval Proving Grounds, to McLean Contr. Co., foot Andre St., Baltimore, $63,000.

★Md., Indian Head—Turbo Generator—Bureau Yards and Docks, Navy Dept., Wash., let contract, at Naval Proving Grounds, to General Electric Co., River Rd., Schenectady, N. Y., $28,360 (supplemental agreement).

★Wash., D. C. — Buildings — Bureau Yards and Docks, Navy Dept., let contract for buildings for storage of models to Richardson & Burgess, Colorado Bldg., $47,935.

★Wash., D. C.—Marine Guard Barracks —Bureau Yards and Docks, Navy Dept., let contract for work at Arguello, Farallones, Marshall and Oregon, Marine Guard Barracks, Radio Sta., to Gutleben Bros., New Call Bldg., San Francisco, $6963.

★Wash., D. C.—Mono-Rail System—Bureau Yards and Docks, Navy Dept., let contract mono-rail system for foundries at Phila. and Norfolk Navy Yards, to Shepard Electrical Crane Hoist Co., Bulletin Bldg., Phila., $41,652.

★Wash., D. C.—Torpedo Boat Destroyers—Bureau Yards and Docks, Navy Dept., let contract building 20 torpedo boat destroyers, to New York Shipbuilding Co., 120 Broadway, New York City; 25 to Cramp & Co., 25 E. 26th St., New York City; 25 to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., cost plus percentage.

★Va., Cape Henry — Buildings — Secy. Agriculture, Wash., let contract 3 story building for Weather Bureau to R. E. Johnson, Virginia Beach, $18,609. Noted Sept. 27.

Va., Waynesboro — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, (a) wood girders, (b) iron girders, from W. W. Keenan, Charlottesville, (a) $34,450, (b) $31,560; W. H. Stillwell, Savannah, Ga., (a) $36,988, (b) $37,445; King Lumber Co., Charlottesville, (a) $38,980, (b) $40,900. Noted Sept. 13.

W. Va., Charleston — Fence — Bureau Yards and Docks, Navy Dept., Wash., received low bids building fence at U. S. Armor Plant, (a) around area north of 8th Ave., (b) south of 8th Ave., (c) both, from Enterprise Iron Works Co., 24th and Yandes St., Indianapolis, Ind., (a) $12,112, (b) $21,025, (c) $33,467; W. A. Snow Iron Works, Inc., 32 Portland St., Boston, Mass., (a) $12,544, (b) $21,997, (c) $34,541; American Fence Constr. Co., 96 Church St., New York City, (a) $12,966, (b) $23,004, (c) $35,729.

S. C., Charleston—Wharf and Trestle—Bureau Yards and Docks, Navy Dept., Wash., received low bids, for magazine on east side Cooper River, (work complete), from Simons & Marant & Co., 18 Broad St., $28,773; P. D. Hay, 29 Bee St., $29,413. Noted Oct. 11.

Fla., Pensacola — Concrete Road and Culverts—Bureau Yards and Docks, Navy Dept., Wash., received low bids building concrete road, 2 concrete drainage culverts and 1 terra cotta pipe culvert, at Naval Aeronautic Sta., (work complete), from H. Monk, 125 South Palafox St., $17,800; S. F. Fulghum & Co., 207 North Palafox St., $18,552; F. G. Proudfoot, 410 Franklin St., Tampa, $20,591. Noted Sept. 27.

★Fla., Pensacola — Seaplane Pier — Bureau Yards and Docks, Navy Dept., Wash., let contract to C. H. Turner Co., 30 East Garden St., $13,233. Noted Sept. 27.

La., New Orleans — Electric Traveling Crane—Bureau Yards and Docks, Navy Dept., Wash., received low bids furnishing in machine shop (a) work complete, (b) alternate, from Whiting Foundry & Equipment Co., Harvey, Ill., (a) $13,780; Niles-Bement, Pond Co., 111 Bway., New York City, (b) $8800; Cleveland Crane & Engr. Co., Wickliff, O., (b) $11,475. Noted Sept. 27.

★Mich., Bad Axe — Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids (a) limestone, (b) sandstone, from Northern Constr. Co., 421 Milwaukee St., Milwaukee, (a) $45,628, (b) $46,538; Schmidt Bros. Constr. Co., 105 North Clark St., Chicago, (a) $51,865; W. H. Fissell & Co., Marbridge Bldg., New York City, (a) $63,000, (b) $65,000. Noted Sept. 13.

★Minn., St. Peter—Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to W. O'Neill, Faribault, $40,873. Noted Oct. 11.

★Idaho, Twin Falls—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to R. E. Campbell, Newhouse Bldg., Salt Lake City, Utah, $75,443. Noted Oct. 11.

MISCELLANEOUS

Proposed Work

Flood Protection—Corning, N. Y.—(Official)—Bd. Pub. Wks. rejected bids for conduits and appurtenances for improvement of Monkey Run. Noted Sept. 6.

Garbage Disposal Plant—Newark (Irvington), N. J.—Town plans.

Garbage Disposal Plant—Johnstown, Pa.—City election Nov. 6 to vote on $75,000 bond issue to build garbage disposal plant. J. R. Crissey, city engr.

Levee Work — Shreveport, La. — Caddo Levee Bd. having plans prepared by State Bd. Engrs., New Orleans, for 689,700 cu.yd. levee work above Shreveport, at Briarfield, Rock Point, Landing, Sterling Bayou, Hayti, Corner Place, Hurricane Bluff, Cairo, Cairo-Soda Fountain, etc., and below Shreveport, at Calwell, Riverdale, Leonard to Long Point. Cost between $100,000 and $200,000.

Miscellaneous (Continued)

Elimination of Grade Crossings—Cleveland, O.—City, R. Hoffman, city engr., and New York, Chicago & St. Louis Ry., E. E. Hart, Cleveland, ch. engr., plans to build 12 rein.-con. grade crossings on west side at West 38th, 41st, 44th, 45th, 53rd, 58th, 65th, 74th, 77th and 85th Sts., Lorain and Madison Aves. About $2,500,000. City to appropriate 35% of cost, railroad 65%.

Subway— Moline, Ill.—City Council approved plans to build subway at 14th St. crossing. L. Payton, city engr.

Transmission Line — Dubuque, Ia. — Bd. Supervs. Dubuque Co. granted 20-year franchise to Eastern Iowa Electric Co., 302 Security Bldg., to build electric transmission line over county roads to furnish electrical service in towns of New Wine, Luxemburg and Holy Cross.

Wharf Extension, Etc.—Beaumont, Tex.—City plans to improve wharf and terminal system. F. Keith, chn. wharf and dock com.

Dam—Widtsoe, Utah — See "Excavation and Dredging."

BIDS DESIRED

Fire Escapes—Dover, N. J.—(Official)—Until Oct. 30, by Bd. Educ. at Northside School, for new fire escapes and alterations to South Side School. C. H. Benedict, secy.; advertised in this issue.

Elevated Railway—Phila., Pa.—(Official)—Until Oct. 30, by W. S. Twining, dir. dept. of City Transit, 754 Bourse Bldg., for work appurtenant to Frankford Elevated Railway; advertised in this issue.

PRICES AND CONTRACTS AWARDED

★Coal Trestle—Hudson, N. Y.—(Official) Knickerbocker Portland Cement Co. let contract building rein.con. coal trestle, 300 ft. long, 20 ft. high, together with retaining walls and floor to Turner Constr. Co., 244 Madison Ave., New York City.

BUILDING OPERATIONS FOR OCTOBER

Following is a list of contracts awarded, published by the F. W. Dodge Co. for New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota, and portions of Missouri and eastern Kansas from Jan. 1 to Oct. 1:

January 1 to October 1, 1917	$1,278,640,426
January 1 to October 1, 1916	970,251,397
January 1 to October 1, 1915	680,615,100
January 1 to October 1, 1914	579,042,100
January 1 to October 1, 1913	682,425,500
January 1 to October 1, 1912	627,477,000
January 1 to October 1, 1911	607,638,813
January 1 to October 1, 1910	633,002,305

NEW YORK AND NORTHERN NEW JERSEY

January 1 to October 1, 1917	$247,355,000
January 1 to October 1, 1916	180,803,500
January 1 to October 1, 1915	120,400,500
January 1 to October 1, 1914	100,266,000
January 1 to October 1, 1913	214,106,500
January 1 to October 1, 1912	186,517,000
January 1 to October 1, 1911	183,429,000
January 1 to October 1, 1910	186,084,000

The September total for contracts awarded in the larger territory amount to $122,464,271, as against $165,574,155 for August and $159,200,000 for July. For the smaller territory the September figures are $35,027,000, against $25,498,000 for August and $31,549,000 for July. Building operations generally show a decline.

MEXICO TO BUILD MODERN HIGHWAY

According to reports, the Mexican government has committed itself to the policy of constructing at the earliest possible time a system of modern highways that shall connect all the principal cities and ports of the country. This movement was inaugurated several weeks ago by the Department of Communications and Public Works, following the outlining of the tentative plan for construction and improvement of the highways of the country.

A meeting of good roads enthusiasts from different parts of the country was held in the City of Mexico and the organization of the National Highway Association of Mexico resulted.

It is also proposed to build a modern highway to run from the City of Mexico to Vera Cruz, following the ancient highway that was built by Cortez about 400 years ago. There are still remnants of other ancient highways which were built during the days of Conquistadores and wherever it is possible these old camino reals, or main highways, will be rehabilitated and put to modern use.

ROAD WORK, WASHINGTON

State Rd. No. 21

Bids were received by State Highway Comn., Olympia, Oct. 1, for constructing State Rd. No. 21 from Charleston to Clifton, Kitsap and Mason Counties, from (A) David Govan, Port Angeles (awarded contract); (B) Hans Pederson Constr. Co., Alaska Bldg., Seattle; (C) W. O. Bulette, Bremerton; (D) George A. Bandaret, Bryn Mawr, $102,376; (E) Sloane Bros., Seattle, $113,767. The unit bids of the 3 lowest bidders were as follows:

	A	B	C
118,400 cu.yd. overhaul on above material per each 100 ft	$0 02	$0 35	$0 39
43.1 acres clearing	175 00	01½	02
29.1 acres grubbing	150 00	150 00	160 00
Cu.yd. rip rap hand placed	2 50	150 00	225 00
Cu.yd. slope wall	7 00	6 00	7 00
Lin.ft. guard rail in place, including spikes and bolts	40	6 00	6 00
52.16 M.b.m. timber and plank in place, including spikes and bolts	35 00	50	45
Lin.ft. piling (fir) above	10	40 00	35 00
1,360 lin.ft. piling (fir) below	40	20	35
Lin.ft. piling (cedar) above	10	40	45
Lin.ft. piling (cedar) below	45	20	35
Lin.ft. logs for cribbing	18	40	45
5,060 lin.ft. logs for culverts	18	25	30
890 lin.ft. plain concrete pipe in place, 12-in. diameter	1 00	25	35
1,274 lin.ft. reinforced concrete pipe in place, 18-in. diameter	3 00	1 10	1 00
238 lin.ft. reinforced concrete pipe in place, 24-in. diameter	5 00	2 25	1 75
78 lin.ft. reinforced concrete pipe in place, 30-in. diameter	6 50	3 50	3 00
13,560 cu.yd. surfacing	1 25	5 50	4 00
Lin.ft. porus tile drains, 6-in. diam	30	2 00	1 50
Lin.ft. porus tila drains, 8-in. diameter	40	50	60
Extended totals	$78,007	$92,003	$92,725

PACIFIC HIGHWAY

Bids were received by State Highway Comn., Olympia, Oct. 1, for constructing Pacific Highway from Blanchard to Burlington, Skagit Co., from (A) J. R. Wood, Seattle (awarded contract); (B) Skagit Constr. Co., Mt. Vernon; (C) Chas. G. Huber, Central Bldg., Seattle. The unit bids were as follows:

	A	B	C
6,020 cu.yd. common excavation, including haul of 400 ft	$0 40	$0 70	$0 45
Cu.yd. loose rock excavation, including haul of 400 ft	1 00	1 50	80
3,350 cu.yd. solid rock excavation, including haul of 400 ft	2 00	2 50	2 25
Cu.yd. overhaul on any of above materials per 100 ft	02	03	03
0.63 acres clearing	100 00	100 00	150 00
0.13 acres grubbing	100 00	150 00	150 00
Cu.yd. rip rap, hand placed	5 00	4 00	4 50
316 M.b.m. timber and plank in place, including spikes and bolts	43 50	34 00	43 00
Lin.ft. piling cedar above	20	10	20
12,000 lin.ft. piling cedar below	61	45	65
60 lin.ft. plain concrete pipe in place, 12-in. diameter	1 50	3 00	1 49
59-ft. span, undergrade crossing (lump sum)	2,500 00	4,000 00	2,687 00
1,880 cu.yd. surfacing	2 10	2 70	2 25
Extended totals	$36,838	$38,071	$38,754

PACIFIC HIGHWAY

Bids were received by State Highway Comn., Olympia, Oct. 1, for constructing Pacific Highway from Sta. No. 650 to Sta. No. 842. Clarke Co. from (A) Arvid Rydstrom, 3102 Pacific St., Tacoma (awarded contract); (B) Sloane Bros., Seattle; (C) Rajotte, Fobert & Winters, Ziegler Bldg., Spokane; (D) Nettleton, Bruce & Eschbach Co., Amer. Bank Bldg., Seattle, $76,277. The unit bids of the 3 lowest bidders were as follows:

	A	B	C
100,000 cu.yd. excavation, including haul of 400 ft	$0 32	$0 35	$0 50½
53,500 cu.yd. overhaul on above material per each 100 ft	02	03	02½
11.83 acres clearing	200 00	175 00	260 00
1.96 acres grubbing	250 00	300 00	325 00
Cu.yd. rip rap, hand placed	5 00	4 00	6 00
254.7 cu.yd. concrete, 1st class	16 00	22 00	18 00
23,970 lb. steel reinforcing bars in place	.10	.11	.08
716 lin.ft. tile drain, 6-in. diameter	.25	.30	.25
96 lin.ft. tile drain, 8-in. diameter	.50	.60	.35
690 lin.ft. plain concrete pipe in place, 12-in. diameter	1 25	1 30	1 00
428 lin.ft. reinforced concrete pipe in place, 18-in. diameter	2 25	2 50	2 60
68 lin.ft. reinforced concrete pipe in place, 24-in. diameter	3 50	3 50	3 75
60 cu.yd. rock for tile	3 50	4 00	3 00
Extended totals	$44,898	$50,221	$64,503

OLYMPIC HIGHWAY

Bids were received by State Highway Comn., Olympia, Oct. 1, for constructing Olympic Highway from Thurston Co. line to Kamilchie, Mason Co., from (A) Alfred & James, Centralia (awarded contract); (B) Sloane Bros. Seattle. The unit bids were as follows:

	A	B
36,540 cu.yd. excavation, including haul of 400 ft	$0 40	$0 40
23,080 cu.yd. overhaul on above material per each 100 ft	05	03
12.1 acres clearing	200 00	150 00
4.3 acres grubbing	250 00	200 00
Cu.yd. rip rap, hand placed	8 00	4 00
68.8 cu.yd. concrete, 1st class	20 00	20 00
6,085 lb. steel reinforcing bars in place	12½	10
50 lin.ft. plain concrete pipe in place, 12-in. diameter	1 50	1 30
284 lin.ft. reinforced concrete pipe in place, 18-in. diameter	3 00	2 65
174 lin.ft. reinforced concrete pipe in place, 24-in. diameter	4 00	3 50
64 lin.ft. reinforced concrete pipe in place, 30-in. diameter	5 50	6 00
2.50-ft. span, concrete arch bridge (lump sum)	11,500 00	11,500 00
6,150 cu.yd. surfacing	1 20	1 75
2,240 lin.ft. piling (fir)	50	50
Lin.ft. piling (cedar)	60	50
Cu.yd. extra concrete, below elevation shown on plan	20 00	20 50
Extended totals	$43,386	$45,169

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until October 23, 1917.

Barge Canal Terminals

STATE OF NEW YORK, SUPERINTENDENT OF PUBLIC WORKS

Albany, September 24th, 1917.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 23rd, 1917, at which place and hour they will be publicly opened and read, for the construction of Barge Canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts amendatory thereof, as follows:

Terminal Contract No. 38.

For constructing a pier at the foot of West 53rd street, North River, Manhattan.

Contract plans sheets 1 to 12.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue mailed the next day.

PROPOSALS

In the event that more than one surety company is offered as surety on said bonds, co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

Bids received until November 8, 1917.

Pavement

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa.—Sealed proposals will be received at said office until 10 A. M., November 8, 1917, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of 21,426 linear feet of either reinforced concrete or bituminous concrete pavement, 16 feet wide, in Allegheny County; 7857 linear feet of vitrified block pavement, 16 feet wide, in Venango County, and 39,340 linear feet of either reinforced concrete or bituminous concrete and hillside block pavement 16 feet wide, in Somerset County. Plans and specifications may be seen at office of State Highway Department, Harrisburg, Pa., 1001 Chestnut Street, Philadelphia, Pa., 904 Hartje Building, Pittsburgh, Pa. Full particulars and information on application to J. D. O'Neil, State Highway Commissioner.

OFFICE OF THE COMMISSIONERS, D. C., October 10, 1917.—Sealed proposals will be received at this office, Room 509, District Building, until 2 o'clock P.M., on October 18, 1917, for the construction of approximately 3,000 linear feet of 15 in. and 12 in. diameter pipe sewer. Forms of proposals, specifications and necessary information may be obtained from the Chief Clerk, Engineer Department, Room 427 District Building, Washington, D. C., LOUIS BROWNLOW, JOHN G. D. KNIGHT, W. GWYNN GARDINER, Commissioners, D. C.

PROPOSALS FOR LEVEE WORK.—Office of Third Mississippi River Dist., P. O. Box 404, Vicksburg, Miss.—Sealed proposals will be received here until 11 o'clock a.m., Nov. 8, 1917, and then publicly opened, for constructing about 1,000,000 cubic yards of levee work. Information on application.

PROPOSALS

Bids received until October 23, 1917.

Road and Bridge Construction

Hartford, Conn.

Sealed proposals will be received at the office of the State Highway Commissioner, State Capitol, fourth floor, west end, until 2 P.M., Tuesday, October 23rd, 1917, for the following road and bridge construction:

Town of CROMWELL: About 3900 linear feet of Bituminous Macadam construction over four (4) inch stone base on the Pond Road. Plans and specifications at office of W. H. Sharp, Division Engineer, 151 Main Street, Middletown, Conn.

Town of MIDDLETOWN: Reinforced Concrete Arch Bridge construction over the Arrawanna River on Berlin Street. Plans and specifications at office of W. H. Sharp, 151 Main Street, Middletown, Conn.

City of HARTFORD: About 1800 linear feet of concrete construction on New Britain Avenue. Specifications at office of R. W. Stevens, Division Engineer, 408 Main Street, Hartford, Conn.

Town of WINCHESTER: About 10,980 linear feet of Native Stone Macadam construction on the Colebrook Road. Plans and specifications at office of R. S. Hulbert, Division Engineer, Winsted, Conn.

Towns of NORTH CANAAN and SALISBURY: A Two (2) Span Reinforced Concrete Arch Bridge over the Housatonic River on the Canaan-Salisbury Road. Plans and specifications at office of R. S. Hulbert, Division Engineer, Winsted, Conn.

Towns of WATERFORD and EAST LYME. Substructure and approaches for 245 foot Steel Truss Swing Draw Bridge over the Niantic River on the Niantic-New London Road. Plans and specifications at the office of the New London County Commissioners, Norwich, Conn.

All bids must be accompanied by a surety company bond or a certified check not less than one-third of the cost of the work. The State Highway Commissioner reserves the right to reject any and all bids.

Dated at Hartford, Connecticut, October 12, 1917.

C. J. BENNETT,
State Highway Commissioner.

Bids received until November 2, 1917.

Reinforced Concrete Viaduct

Richmond, Va.

Sealed proposals will be received at this office until 12 o'clock noon, November 2, 1917, for the construction of a reinforced concrete viaduct over Bacon Quarter Branch and Seaboard Air Line Co.'s property on the Chamberlayne Avenue extension as per plans and specifications prepared by Carneal & Johnston, Architects. Parties proposing to bid will apply to the undersigned for plans and specifications. Forms of proposals can be obtained on application.

A certified check for $1000.00 must accompany each bid as a guaranty of execution of contract. The Administrative Board reserves the right to reject any and all bids.

CHAS. E. BOLLING, City Engineer.

MANEUVER BOATS—U. S. Engineer Office, Wheeling, W. Va.—Sealed proposals will be received here until 11 a.m. (Eastern time), November 16, 1917, and then opened, for furnishing and delivering seven maneuver boats for Ohio River dams in Wheeling district. Information on application.